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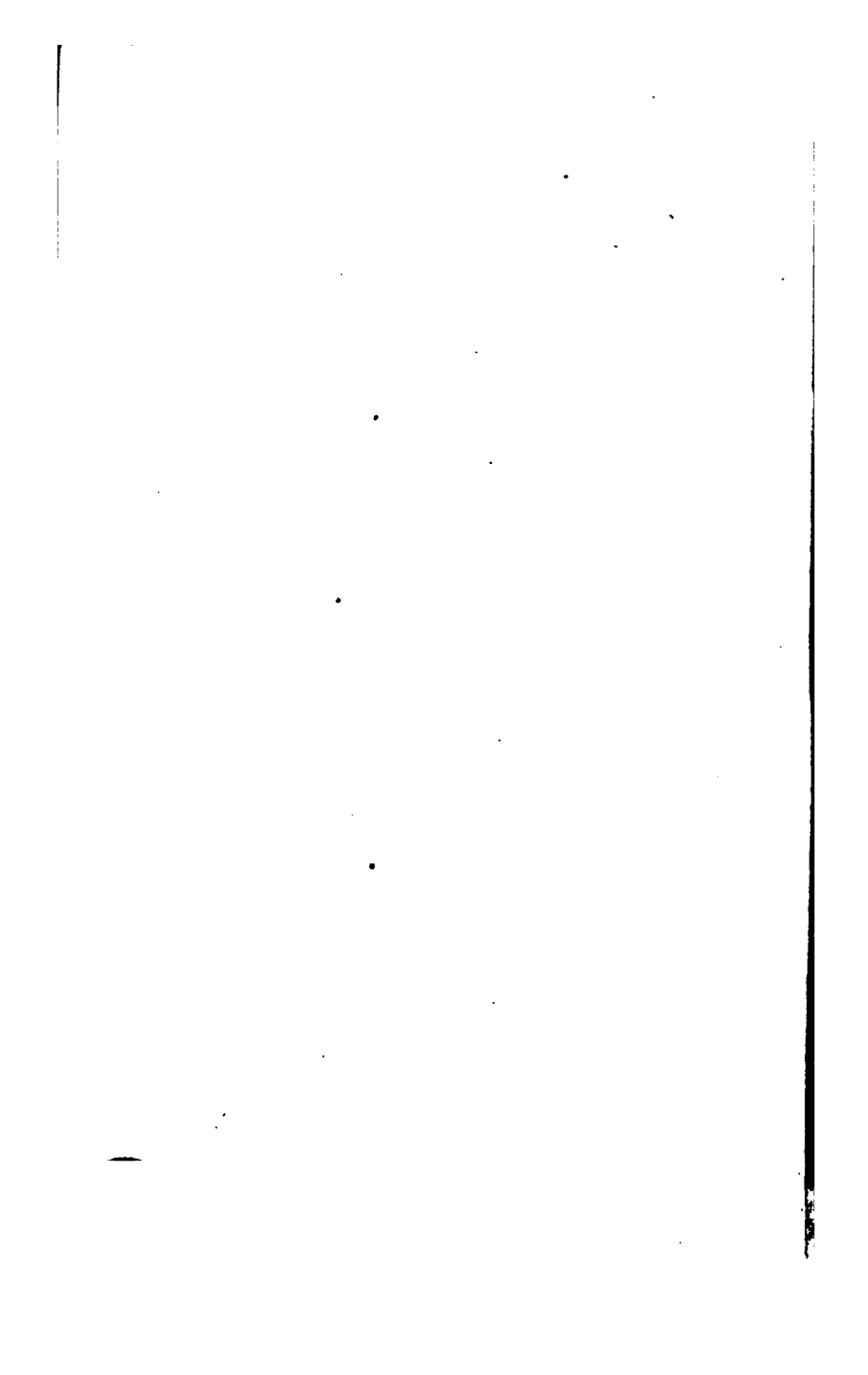
ARTE · SCIENTIA · VERITAS

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CATALOGUE  
OF  
FOSSILS,  
FOUND IN THE BRITISH ISLES,  
FORMING THE PRIVATE COLLECTION  
OF

JAMES TENNANT, F.G.S.,

Professor of Mineralogy and Geology in King's College, London; Lecturer on Mineralogy and Geology to the Gentlemen Cadets in the Practical Class of the Royal Military Academy, Woolwich; Mineralogist by appointment to Her Majesty: Member of the Geological Society of France; Fellow of the Chemical, Microscopical, Zoological, and Royal Geographical Societies of London, etc.

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LONDON:

J. TENNANT, 149 STRAND, W.C.

1858.

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on one side of the paper, so as to serve for Labels.]



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## INTRODUCTION.

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SHOULD this Catalogue be read by those unacquainted with Geology, it will only appear to be a list of *hard names*; but it has its use. It comprises the principal specimens in my private Collection, and may be considered as a list of 2000 of the most common fossils, which is about one-fourth of those found in the British fossiliferous rocks.

I take this opportunity of thanking my friend Mr. S. P. Woodward, F.G.S., author of the admirable treatise on "Recent and Fossil Shells," published by Mr. Weale, and indispensable to the student in Geology. Mr. Woodward arranged the Collection, with his usual accuracy and neatness, during his leisure hours, between 1840 and 1850, and has revised the list whilst passing through the press. The Collection is contained in sixty drawers, and, although formed at a considerable expense, has led me to many interesting geological rambles in collecting most of the specimens. It was arranged for reference in making up the elementary collections to illustrate some of the numerous and useful works on Geology published in the last thirty years by my predecessors in the Geological Chair at King's College,—viz. Sir Charles Lyell, 1831; Professor J. Phillips, 1834; Professor Ansted, 1840.

I was appointed Lecturer on Mineralogy in 1838, and succeeded Professor Ansted in 1853; since then I have used the specimens of my private cabinet to illustrate the lectures. This Catalogue has been printed chiefly with a view to assist the Students attending the Lectures on Geology at King's College, and the Gentlemen Cadets in the Royal Military Academy, Woolwich. It may also be found useful to a large class of intelligent persons who are studying Geology in different parts of the country: they must bear in mind, however, that the fossils are not confined to the localities mentioned in the list.

To aid those desirous of knowing more of Geology, both general and special, I have added a limited catalogue of the best books, maps, and diagrams to be had at present.

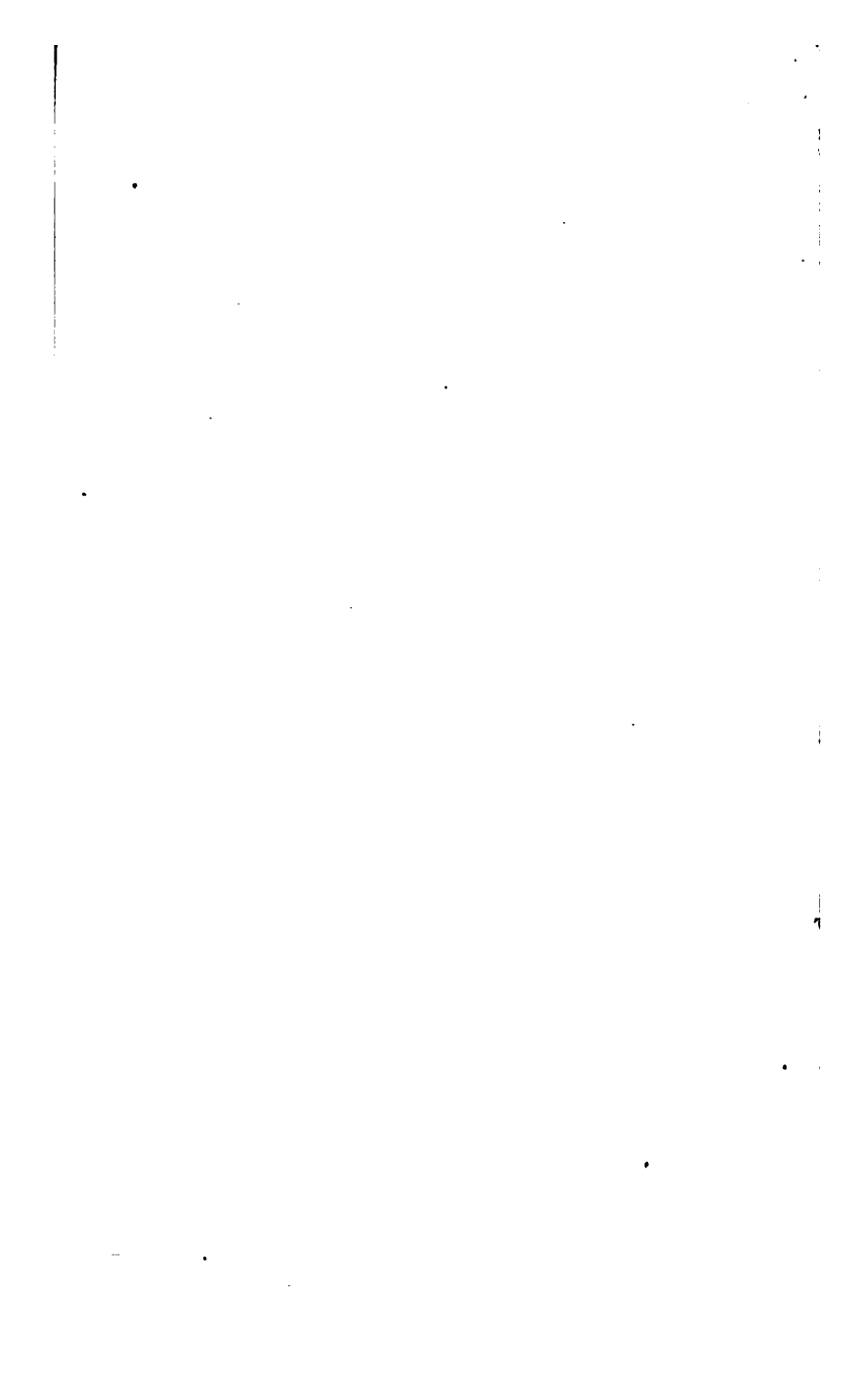
[It should be noted that the names of the Fossils are those used in the last edition of Morris's "Catalogue of British Fossils;" and that the abbreviations of the names of Authors are explained on the next page.]

J. T.

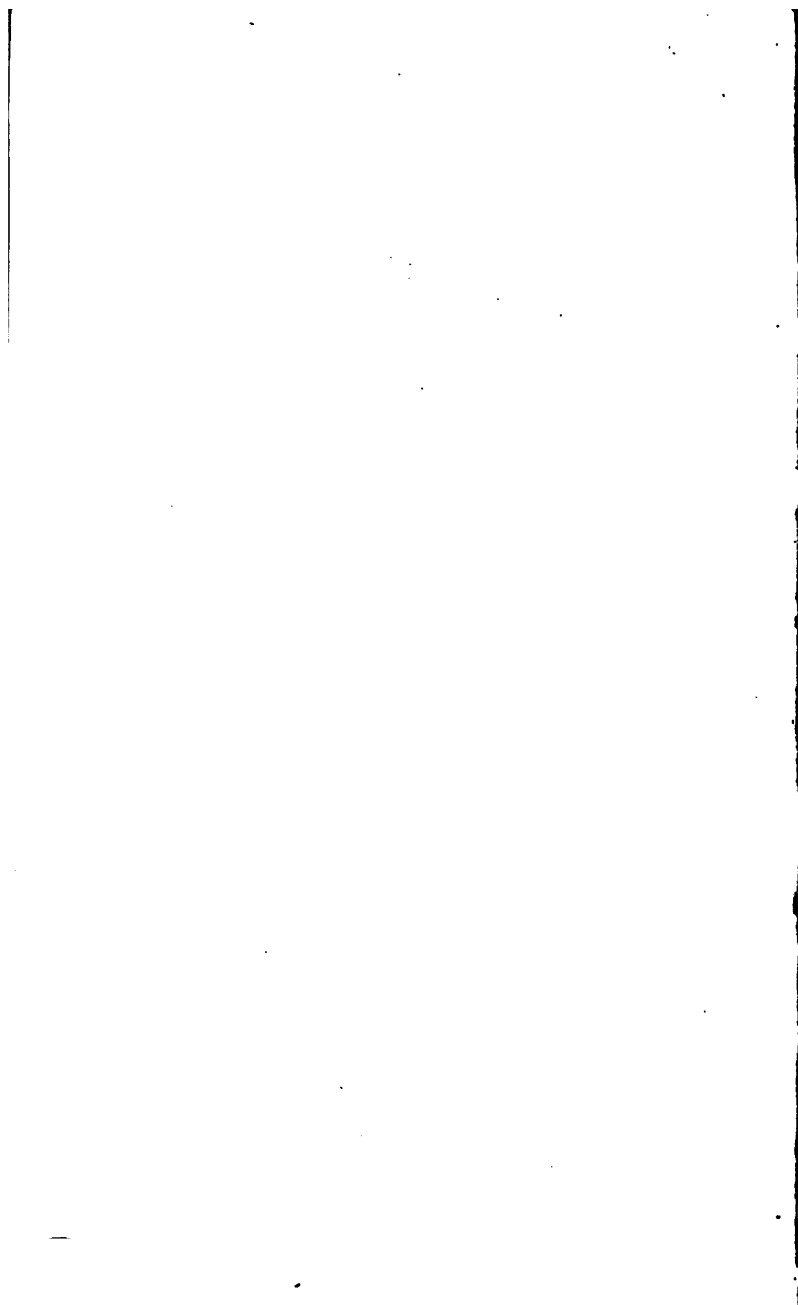
*Ad. Brong.* Adolphe Brongniart.  
*Ag.* Agassiz.  
*Al. Brong.* Alex. Brongniart.  
*Alder.* Alder (Joshua).  
*Aust.* Austin.  
*B. & S.* Broderip & Sowerby.  
*Berk.* Berkeley.  
*Bl.* Blainville.  
*Blum.* Blumenbach.  
*Bow.* Bowerbank.  
*Br.* T. Brown.  
*Broc.* Brocchi.  
*Brod.* Broderip.  
*Brongn.* Brongniart.  
*Brug.* Bruguière.  
*Brünn.* Brünnich.  
*Buckm.* Buckman.  
*Buv.* Buvignier.  
*Charp.* Charpentier.  
*Chemn.* Chemnitz.  
*Conyb.* Conybeare.  
*Couth.* Couthony.  
*Cuv.* Cuvier.  
*Dalm.* Dalman.  
*D' Arch.* D'Archiac.  
*Dav.* Davidson.  
*Defr.* Defrance.  
*Desh.* Deshayes.  
*Desl.* Deslongchamps.  
*Desm.* Desmarest.  
*Donov.* Donovan.  
*D' Orb.* D'Orbigny.  
*Drap.* Draparnaud.  
*Dujard.* Dujardin.  
*Edw.* F. E. Edwards.  
*Eich.* Eichwald.  
*Fér.* Férussac.  
*Fisch.* Fischer de Waldheim.  
*Flem.* Fleming.  
*Gmel.* Gmelin.  
*Goldf.* Goldfuss.  
*Hag.* Hagenow.  
*His.* Hisinger.  
*Hæningh.* Høninghausen.  
*J. Sby.* James Sowerby.  
*J. T. Sm.* J. Toulmin Smith.  
*Keys.* Keyserling.  
*Kon.* De Koninck.  
*L.* Linnæus\*.  
*L. & H.* Lindley and Hutton.  
*Lajon.* Lajonkaire.  
*Lam.* Lamarck.

*Lamx.* Lamouroux.  
*Lév.* Lèveillé.  
*Leym.* Leymerie.  
*Llh.* Lluïdh.  
*Lonsd.* Lonsdale.  
*M. & L.* Morris and Lycett.  
*M. & R.* Maton and Racket.  
*Mant.* Mantell.  
*Mart.* Martin.  
*M.-Edw.* Milne-Edwards.  
*Mich.* Michaud.  
*Mill.* Miller.  
*Mont.* Montagu.  
*Montf.* Montfort.  
*Müll.* O. F. Müller.  
*Münst.* Münster.  
*Murch.* Murchison.  
*N. & W.* Nyst and Wood.  
*O.* Owen.  
*P. & R.* Pictet and Roux.  
*Park.* Parkinson.  
*Payr.* Payraudeau.  
*Penn.* Pennant.  
*Ph.* J. Phillips.  
*Phi.* Philippi.  
*Pilk.* Pilkington.  
*Portl.* Portlock.  
*Pult.* Pulteney.  
*Rein.* Reinecke.  
*Rich.* Richardson.  
*Rœm.* Rœmer.  
*Rossm.* Rossmässler.  
*Sby.* Sowerby.  
*Sca.* Scacchi.  
*Schl.* Schlottheim.  
*Sedgw.* Sedgwick.  
*Shep.* Sheppard.  
*Simp.* Simpson.  
*Solr.* Solander.  
*Sternb.* Sternberg.  
*Stud.* Studer.  
*Stutch.* Stutchbury.  
*Theod.* Theodori.  
*Turt.* Turton.  
*Y. & B.* Young and Bird.  
*Vern.* De Verneuil.  
*Wahl.* Wahlenberg.  
*Wd.* Wood.  
*Wood.* Searles Wood.  
*Woodw.* Woodward.  
*Wr.* Wright.  
*Ziet.* Zieten.









# CATALOGUE OF FOSSILS.

## STRATIFIED FOSSILIFEROUS ROCKS.

### TERTIARY SERIES.

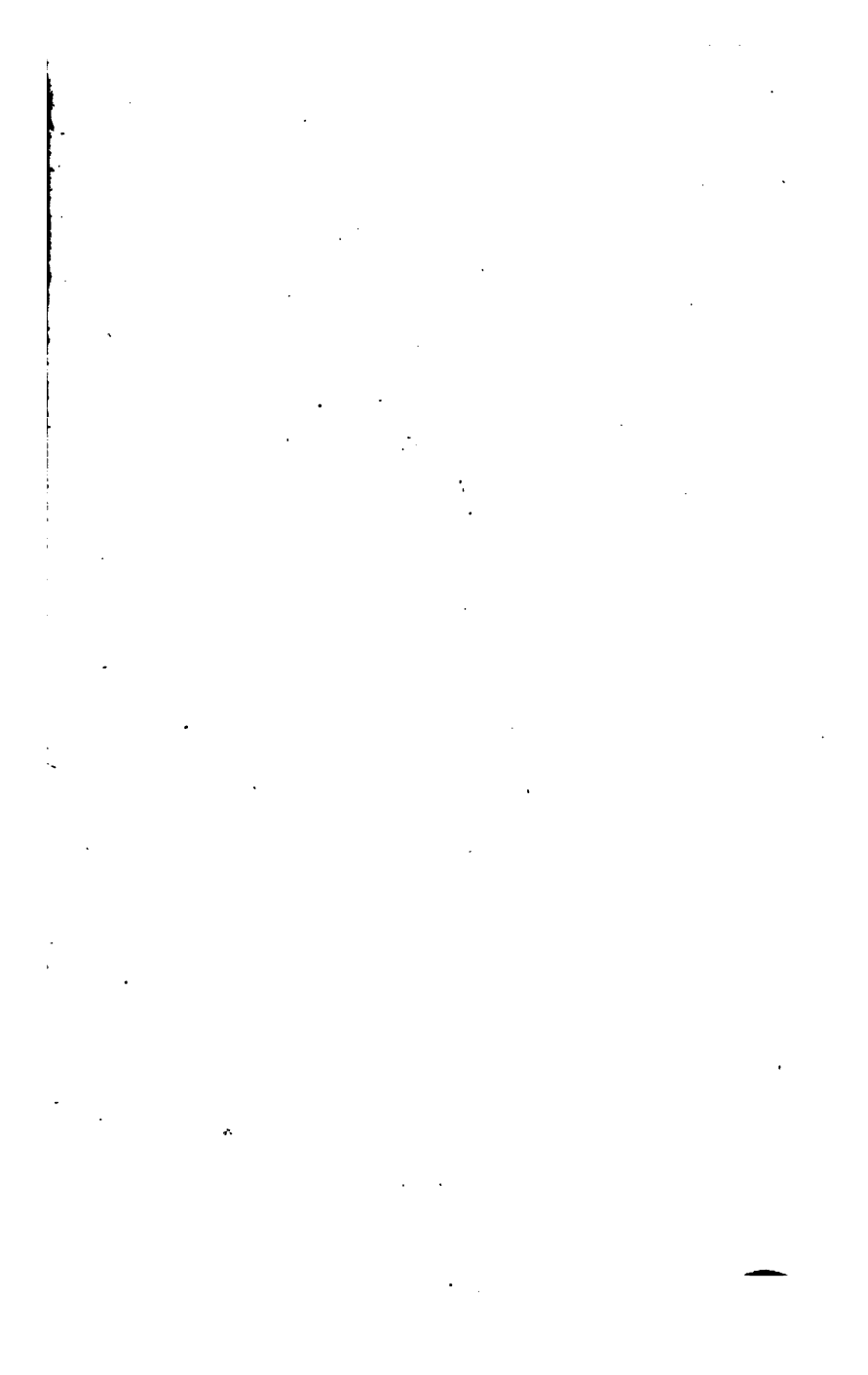
<b>Pliocene Group.</b>	NEWER PLIOCENE OR GLACIAL PERIOD.	{ Freshwater formations with recent shells and some extinct animals. Caves of Kirkdale, Swansea and Torquay.
	OLDER PLIOCENE OR CRAG.	{ Marine formations with above 50 per cent. recent shells.
<b>Miocene Group.</b>	{ (Wanting in England, or doubtfully represented by the Coralline Crag and Hempstead beds.)	
<b>Eocene Group.</b>	UPPER EOCENE.	{ Hempstead beds, Isle of Wight. Bembridge, or Binstead beds. Headon beds, Isle of Wight.
	MIDDLE EOCENE.	{ Barton clay, Hants. Sands of Bagshot and Bracklesham.
	LOWER EOCENE.	{ London clay and Bognor rock. Plastic clay and Woolwich sands. Thanet sands.

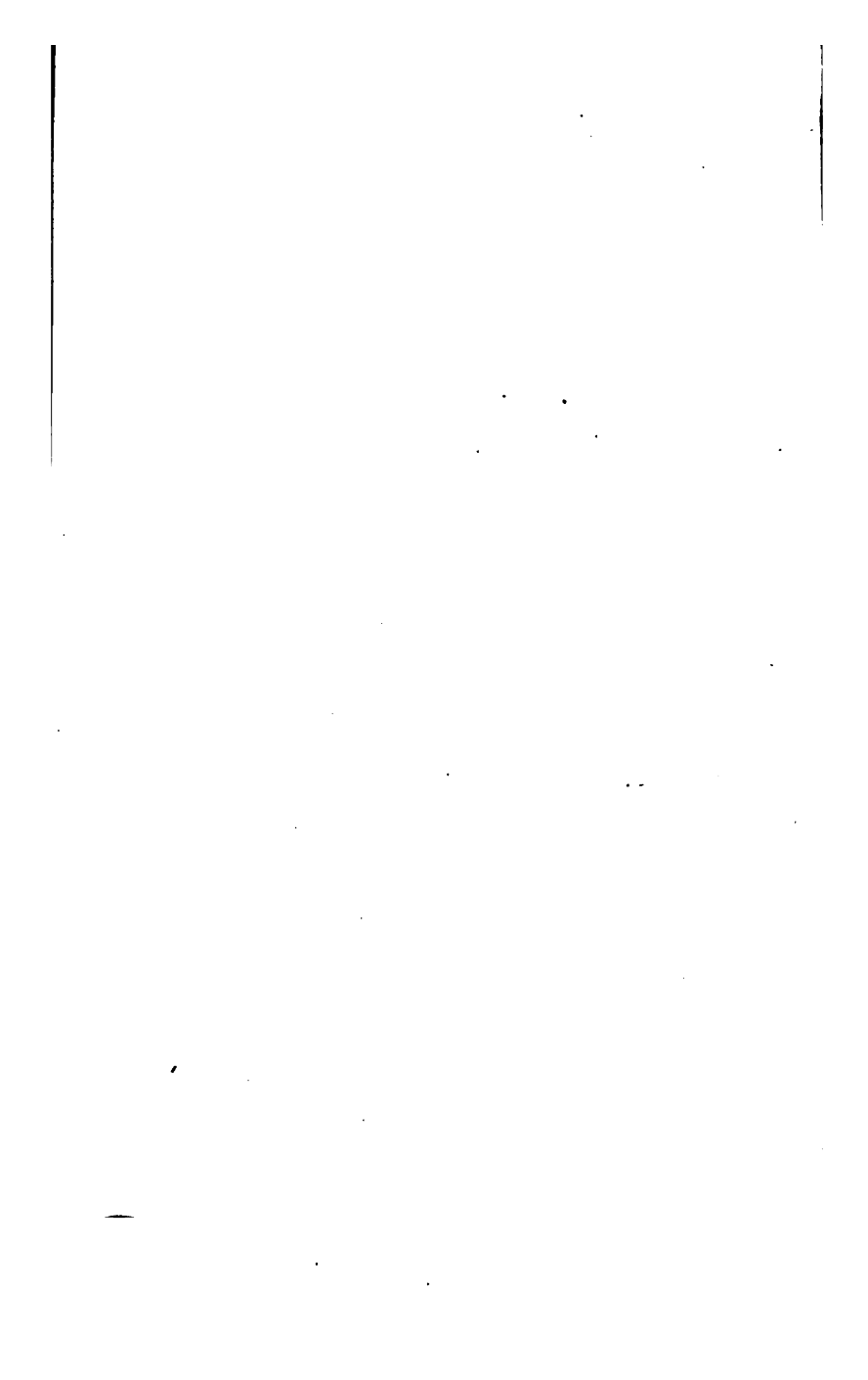
### SECONDARY SERIES.

<b>Cretaceous Group.</b>	Upper.	CHALK.	{ White chalk with flints. Lower chalk. Chalk marl and grey chalk.
		UPPER GREEN-SAND.	{ Warminster, Blackdown and Cambridge.
	Lower.	GAULT.	{ Blue clay of Folkestone and red chalk of Hunstanton and Flamborough.
		LOWER GREEN-SAND OR NEO-COMIAN.	{ Shanklin sands. Kentish rag and Atherfield clay. Speeton clay, Yorkshire.
<b>Wealden.</b>		WEALD CLAY. HASTINGS SANDSTONE.	{ Freshwater formation of the Weald of Kent and Sussex. Brook Point, Isle of Wight, and Elgin, N.B.
		PURBECK BEDS.	{ Freshwater limestone and terrestrial deposits of Purbeck and Portland.

<b>Oolitic Group.</b>	<b>Upper.</b>	PORTLAND BEDS.	Marine limestone of Portland, Tisbury and Brill.
		KIMMERIDGE CLAY.	Dorsetshire; Swindon; Aylesbury.
	<b>Middle.</b>	CORAL RAG.	Upper calcareous grit of Wilts. Oolite of Calne and Malton. Lower calcareous grit of Weymouth.
		OXFORD CLAY.	Weymouth; Chippenham; St. Neots. Kelloway rock. Cornbrash.
	<b>Lower.</b>	GREAT OOLITE.	Forest marble and Bradford clay. Bath freestone. Stonesfield slate.
		INFERIOR OOLITE.	Fuller's earth of Cotteswolds. Iron-shot oolite, Bridport, Dundry.
		LIAS.	Upper lias or Alum shale. Marlstone or Middle lias. Lower lias.
<b>Triassic Group.</b>		RED MARLS.	
	MUSCHELKALK		
	NEW RED SANDSTONE.		
<b>PALÆOZOIC SERIES.</b>			
<b>Permian Group.</b>		MAGNESIAN LIMESTONE.	Lower red marls of Manchester. Zechstein of Germany.
<b>Carboniferous Group.</b>		COAL MEASURES.	Coal-shale and sandstone with plants and (chiefly freshwater) shells.
		MILLSTONE GRIT.	
		CARBONIFEROUS OR MOUNTAIN LIMESTONE.	Upper limestone and shales. } Yoredale series. Scar limestone. } Wharfedale series. Lower shale. }
<b>Devonian Group.</b>		OLD RED SANDSTONE.	Petherwin limestone. Yellow sandstone of Scotland. Plymouth limestone. Tilestone of Herefordshire.
<b>Upper Silurian Group.</b>		LUDLOW ROCK.	Upper Ludlow rock. Aymestry limestone. Lower Ludlow rock.
		WENLOCK ROCK.	Wenlock limestone and shale. May-hill sandstone.
<b>Lower Silurian or Cambrian Group.</b>		CARADOC SANDSTONE.	
		LLANDEILO FLAGS.	Bala rocks.
		LINGULA FLAGS.	Primordial zone.







## NEWER PLIOCENE FRESHWATER DEPOSITS.

### CONCHIFERA.

<i>Unio litoralis</i> , <i>Drap</i> .....	Clacton, Essex.
<i>Cyrena fluminalis</i> , <i>Müll.</i> .....	Grays, Essex.
<i>Cyclas cornea</i> , <i>Lam.</i> .....	Grays, Essex.
<i>Pisidium pusillum</i> , <i>Turt.</i> .....	Copford, Essex.
<i>Pisidium amnicum</i> , <i>Müll.</i> .....	Grays, Essex.
<i>Pisidium Henslowianum</i> , <i>Shep.</i> ..	Grays, Essex.

### GASTEROPODA, PULMONIFERA.

<i>Limax agrestis</i> , <i>Müll.</i> .....	Maidstone.
<i>Helix nemoralis</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helix hortensis</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helix arbustorum</i> , <i>L.</i> .....	Copford, Essex.
<i>Helix rufescens</i> , <i>Penn.</i> .....	Copford, Essex.
<i>Helix plebeia</i> , <i>Drap</i> .....	Copford, Essex.
<i>Helix aculeata</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helix lamellata</i> , <i>Turt.</i> .....	Copford, Essex.
<i>Helix pulchella</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helix pygmæa</i> , <i>Drap.</i> .....	Copford, Essex.
<i>Helix rudrata</i> , <i>Studer</i> .....	Copford, Essex.
<i>Helix rotundata</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helix fulva</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helicella cellaria</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helicella nitidula</i> , <i>Drap</i> .....	Copford, Essex.
<i>Helicella nitida</i> , <i>Müll.</i> .....	Copford, Essex.
<i>Helicella radiatula</i> , <i>Alder</i> .....	Copford, Essex.
<i>Helicella crystallina</i> , <i>Drap</i> .....	Copford, Essex.
<i>Pupa muscorum</i> , <i>L.</i> .....	Copford, Essex.
<i>Pupa umbilicata</i> , <i>Drap.</i> .....	Copford, Essex.

#### 4 NEWER PLIOCENE, FRESHWATER.

<i>Vertigo pygmæa</i> , <i>Drap.</i> . . . . .	Copford, Essex.
<i>Vertigo pygmæa</i> , var. <i>major</i> . . . .	Copford, Essex.
<i>Vertigo substriata</i> , <i>Alder.</i> . . . . .	Copford, Essex.
<i>Vertigo antivertigo</i> , <i>Drap.</i> . . . . .	Copford, Essex.
<i>Vertigo Venetzii</i> , <i>Charp.</i> . . . . .	Copford, Essex.
<i>Vertigo pusilla</i> , <i>Müll.</i> . . . . .	Copford, Essex.
<i>Clausilia nigricans</i> , <i>M. &amp; R.</i> . . . .	Copford, Essex.
<i>Clausilia laminata</i> , <i>Mont.</i> . . . . .	Copford, Essex.
<i>Clausilia plicatula</i> , <i>Drap.</i> . . . . .	Copford, Essex.
<i>Zua lubrica</i> , <i>Müll.</i> . . . . .	Copford, Essex.
<i>Azeca tridens</i> , <i>Pult.</i> . . . . .	Copford, Essex.
<i>Succinea oblonga</i> , <i>Drap.</i> . . . . .	Swale Cliff, Herne Bay.
<i>Succinea putris</i> , <i>L.</i> . . . . .	Grays, Essex.
<i>Succinea Pfeifferi</i> , <i>Rossm.</i> . . . . .	Grays, Essex.
<i>Carychium minimum</i> , <i>Müll.</i> . . . . .	Copford, Essex.
<i>Planorbis vortex</i> , <i>L.</i> . . . . .	Copford, Essex.
<i>Planorbis albus</i> , <i>Müll.</i> . . . . .	Grays, Essex.
<i>Planorbis marginatus</i> , <i>Drap.</i> . . . .	Grays, Essex.
<i>Ancylus fluviatilis</i> , <i>Müll.</i> . . . . .	Grays, Essex.
<i>Limnæa peregra</i> , <i>Müll.</i> . . . . .	Copford, Essex.
<i>Limnæa truncatula</i> , <i>Müll.</i> . . . . .	Copford, Essex.
<i>Limnæa auricularia</i> , <i>L.</i> . . . . .	Grays, Essex.
<i>Limnæa palustris</i> , <i>L.</i> . . . . .	Grays, Essex.
<i>Physa hypnorum</i> , <i>L.</i> . . . . .	Copford, Essex.
<i>Acicula lineata</i> , <i>Drap.</i> . . . . .	Copford, Essex.

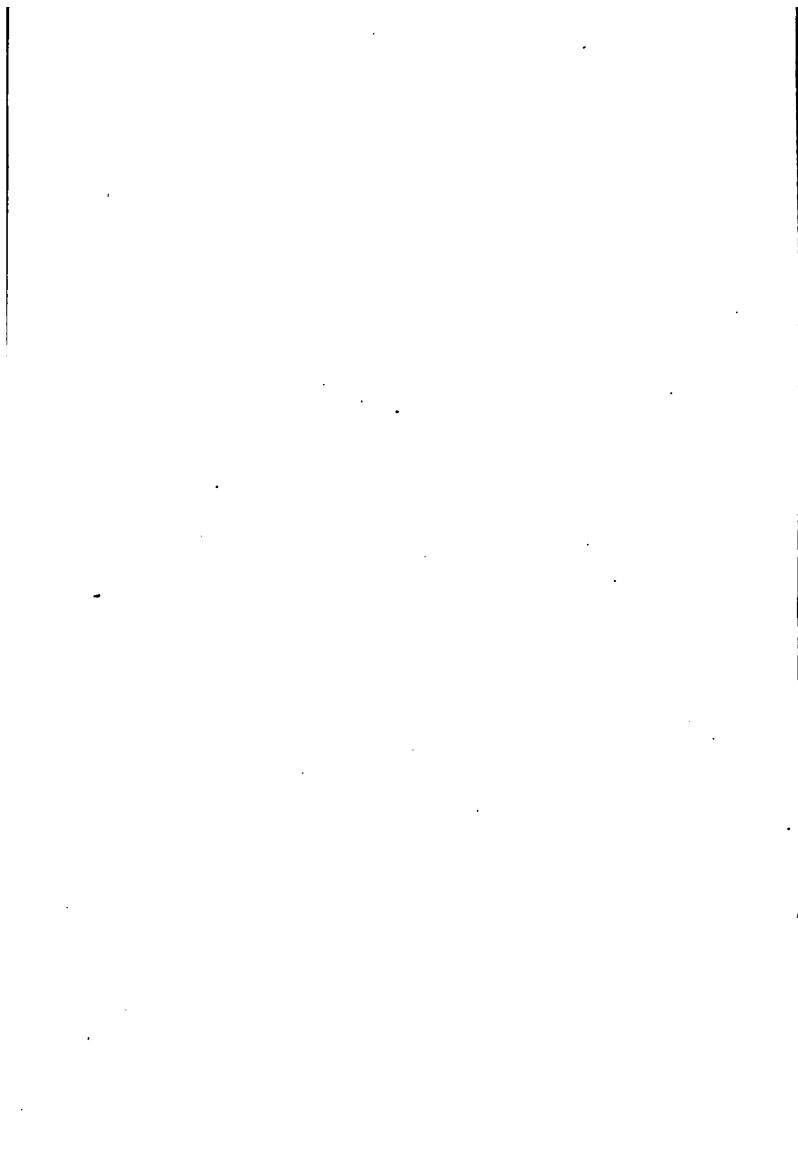
#### GASTEROPODA, PECTINIBRANCHIATA.

<i>Hydrobia marginata</i> , <i>Mich.</i> . . . .	Grays, Essex.
<i>Bithynia tentaculata</i> , <i>L.</i> . . . . .	Copford, Essex.
<i>Valvata antiqua</i> , <i>Morris</i> . . . . .	Grays, Essex.
<i>Valvata piscinalis</i> , <i>Müll.</i> . . . . .	Grays, Essex.

#### MAMMALIA.

<i>Equus fossilis</i> , <i>Meyer</i> . . . . .	Caves.
<i>Rhinoceros tichorhinus</i> , <i>Cuv.</i> . . . .	Caves.
<i>Elephas primigenius</i> , <i>Blum.</i> . . . . .	Essex.





## NEWER PLIOCENE, MARINE.

5

<i>Cervus</i> , sp. ....	Kirkdale Cave.
<i>Bos</i> , sp. ....	Essex.
<i>Hyaena spelæa</i> , Goldf. ....	Kirkdale Cave.

## NEWER PLIOCENE MARINE DEPOSITS.

### CONCHIFERA.

<i>Tellina calcaria</i> , Gmel. ....	Clyde.
<i>Tellina solidula</i> , Pult. ....	Postwick, Norwich.
<i>Tellina Balthica</i> , L. ....	Clacton, Essex.
<i>Astarte borealis</i> , Chemn. ....	Clyde.
<i>Astarte elliptica</i> , Br. ....	Clyde.
<i>Astarte compressa</i> , Mont. ....	Clyde.
<i>Astarte compressa</i> , var. <i>multistriata</i>	Clyde.

### GASTEROPODA.

<i>Puncturella Noachina</i> , Chemn. ..	Clyde.
<i>Litorina litorea</i> , L. ....	Valley of Nar, Norfolk.
<i>Lacuna vineta</i> , Mont. ....	Clyde.
<i>Turritella communis</i> , Risso ....	Nar Valley.
<i>Aporrhais pes-pellicani</i> , L. ....	Nar Valley.
<i>Natica clausa</i> , B. & S. ....	Clyde.
<i>Natica nitida</i> , var. <i>Alderi</i> , Forbes .	Nar Valley.
<i>Trophon clathratus</i> , L. ....	Clyde.
<i>Trophon Gunneri</i> , Lovén ....	Clyde.
<i>Buccinum undatum</i> , L. ....	Clyde.

## OLDER PLIOCENE CRAG.

- N.C. Norwich, or Mammaliferous Crag.
- R.C. Red Crag.
- C.C. Coralline Crag (Suffolk).

### FORAMINIFERA.

<i>Biloculina</i> , sp. ....	C.C. Sutton.
<i>Polymorphina</i> , sp. ....	C.C. Sutton.

<i>Textularia</i> , sp. ....	C.C. Sutton.
<i>Bulimina</i> , sp. ....	C.C. Sutton.

## ZOOPHYTA.

<i>Cryptangia Woodii</i> , <i>M.-Edw.</i> ....	C.C. Ramsholt, Suff.
<i>Flabellum Woodii</i> , <i>M.-Edw.</i> ....	C.C. Orford.
<i>Sphenotrochus intermedius</i> , <i>Münst.</i>	C.C. Sudbourne.
<i>Balanophyllia calyculus</i> , <i>Wood</i> ..	R.C. Walton, Essex.
<i>Alcyonium circumvestiens</i> , <i>Wood</i> .	R.C. Sutton, Suffolk.
<i>Cellepora</i> , sp. ....	C.C. Orford & Sutton.
<i>Theonoe globosa</i> , <i>König</i> ....	C.C. Aldborough.
<i>Fascicularia aurantium</i> , <i>M.-Edw.</i>	C.C. Aldborough.
<i>Hornera striata</i> , <i>M.-Edw.</i> ....	C.C. Aldborough.
<i>Hornera reteporacea</i> , <i>M.-Edw.</i> ..	C.C. Aldborough.
<i>Eschara</i> , sp. ....	C.C. Sudbourne.
<i>Tubulipora</i> , sp. ....	C.C. Orford.
<i>Heteropora dichotoma</i> , <i>Bl.</i> ....	C.C. Ramsholt.
<i>Cellaria fistulosa</i> , <i>L.</i> ....	C.C. Aldborough.
<i>Lunulites</i> , sp. ....	C.C. Sutton.

## ECHINIDÆ.

<i>Echinus Woodwardi</i> , <i>Desm.</i> ....	C.C. Orford.
<i>Temnechinus excavatus</i> , <i>Wood</i> ..	C.C. Sutton.
<i>Temnechinus melocactus</i> , <i>Forbes</i> ..	C.C. Sutton.
<i>Amphidotus cordatus</i> , <i>Penn.</i> ....	C.C. Orford.
<i>Echinocyamus pusillus</i> , <i>Müll.</i> ....	R.C. Sutton.
<i>Echinocyamus Suffolciensis</i> , <i>Ag.</i> ..	R.C. Walton, Essex.
<i>Echinocyamus oviformis</i> , <i>Forbes</i> ..	C.C. Gedgrave.

## ANNELIDA.

<i>Vermilia</i> , sp. ....	C.C. Aldborough.
<i>Ditrupa subulata</i> , <i>Berk.</i> ....	C.C. Aldborough.

## CIRRIPEDA.

<i>Balanus idoneus</i> , <i>Darwin</i> ....	C.C. Ramsholt.
<i>Balanus improvisus</i> , <i>Darwin</i> ....	R.C. Walton.
<i>Balanus crenatus</i> , <i>Brug.</i> ....	C.C. Sutton.











<i>Balanus bisulcatus</i> , <i>Darwin</i> .....	C.C. Gedgrave.
<i>Scalpellum magnum</i> , <i>Darwin</i> ....	C.C. Gedgrave.

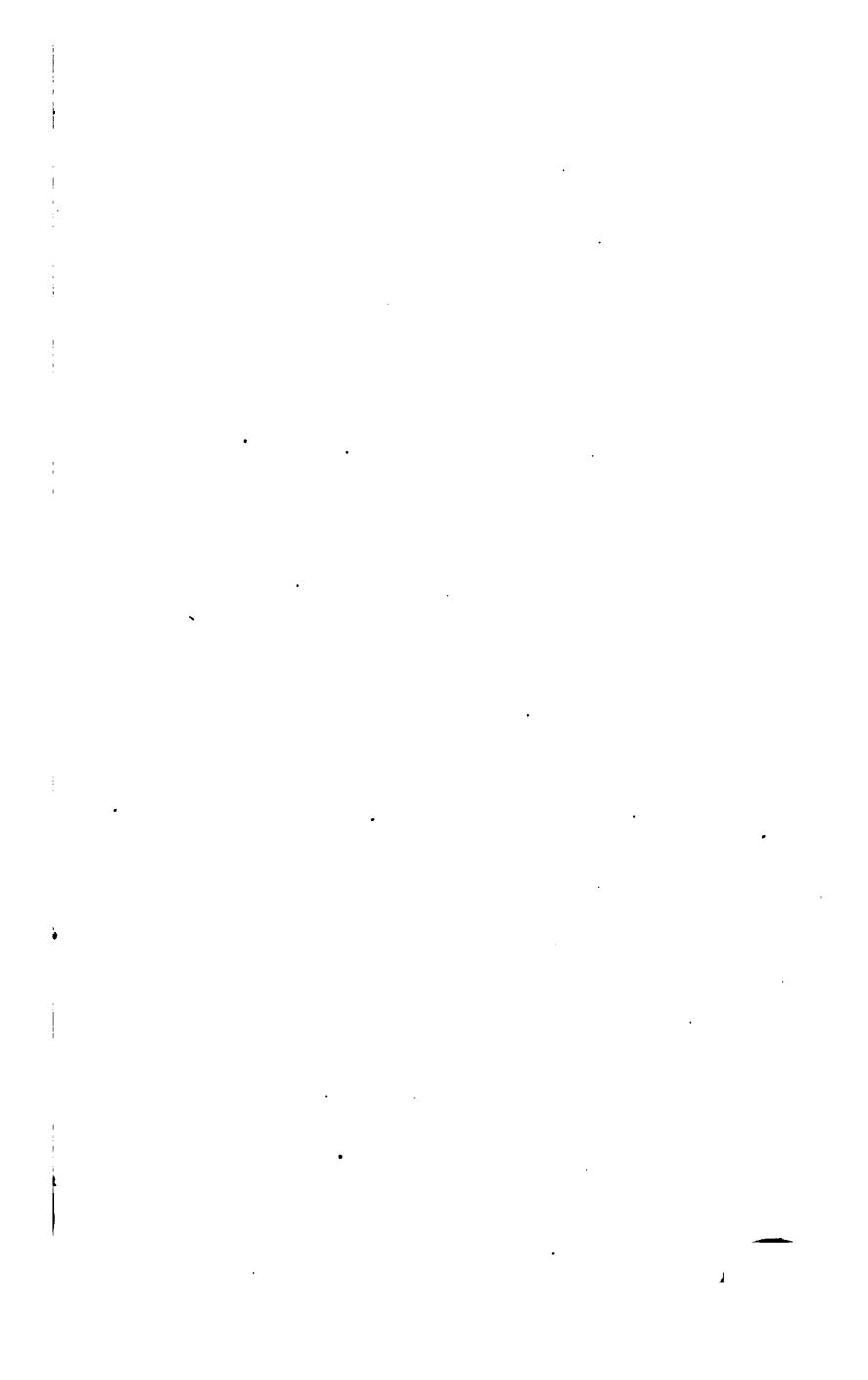
## CRUSTACEA.

<i>Cancer</i> , <i>sp.</i> .....	C.C. Ramsholt.
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## CONCHIFERA.

<i>Pholas crispata</i> , <i>L.</i> .....	R.C. Walton.
<i>Pholas cylindrica</i> , <i>Sby.</i> .....	R.C. Walton.
<i>Saxicava rugosa</i> , <i>L.</i> .....	R.C. Walton.
<i>Thracia inflata</i> , <i>Sby.</i> .....	C.C. Orford.
<i>Glycimeris angusta</i> , <i>N. &amp; W.</i> ....	C.C. Ramsholt.
<i>Mya arenaria</i> , <i>L.</i> .....	R.C. Sutton.
<i>Mya truncata</i> , <i>L.</i> ....	R.C. Sutton.
<i>Corbula nucleus</i> , <i>Lam.</i> .....	R.C. Sutton.
<i>Corbula complanata</i> , <i>Sby.</i> .....	R.C. Sutton.
<i>Solen gladiolus</i> , <i>Wd.</i> .....	R.C. Walton.
<i>Solen ensis</i> , <i>L.</i> .....	R.C. Walton.
<i>Tellina crassa</i> , <i>Linn.</i> .....	R.C. Sutton.
<i>Tellina obliqua</i> , <i>Sby.</i> .....	R.C. Sutton.
<i>Tellina calcaria</i> , <i>Gm. (ovata, Sby.)</i>	R.C. Sutton.
<i>Tellina prætenuis</i> , <i>Woodw.</i> .....	M.C. Norwich.
<i>Tellina prætenuis</i> , <i>Woodw.</i> .....	R.C. Sutton.
<i>Tellina donacina</i> , <i>L.</i> .....	C.C. Sutton.
<i>Psammobia Ferroënsis</i> , <i>Chemn.</i> ..	C.C. Sutton.
<i>Gastrana laminosa</i> , <i>Sby.</i> .....	R.C. Walton.
<i>Gastrana laminosa</i> , <i>Sby.</i> .....	C.C. Ramsholt.
<i>Scrobicularia piperata</i> , <i>Gm.</i> ....	R.C. Sutton.
<i>Syndosmya alba</i> , <i>Wood.</i> .....	C.C. Sutton.
<i>Syndosmya prismatica</i> , <i>Mont.</i> ....	C.C. Sutton.
<i>Donax politus</i> , <i>Poli.</i> .....	C.C. Sutton.
<i>Macra arcuata</i> , <i>Sby.</i> .....	R.C. Walton.
<i>Macra stultorum</i> , <i>L.</i> .....	M.C. Norwich.
<i>Macra solida</i> , <i>L.</i> .....	R.C. Sutton.
<i>Macra subtruncata</i> , <i>Mont.</i> .....	R.C. Sutton.
<i>Macra elliptica</i> , <i>Br.</i> .....	M.C. Norwich.
<i>Venus fasciata</i> , <i>Da Costa</i> .....	R.C. Walton.

<i>Venus imbricata, Sby.</i> .....	C.C. Ramsholt.
<i>Venus imbricata, Sby.</i> .....	R.C. Walton.
<i>Venus casina, L.</i> .....	C.C. Ramsholt.
<i>Venus ovata, Penn.</i> .....	C.C. Sutton.
<i>Cytherea rudis, Poli.</i> .....	R.C. Sutton.
<i>Cytherea rudis, Poli.</i> .....	C.C. Gedgrave.
<i>Artemis lentiformis, Sby.</i> .....	C.C. Walton.
<i>Artemis lineta, Pult.</i> .....	C.C. Walton.
<i>Circe minima, Mont.</i> .....	C.C. Sutton.
<i>Cyprina Islandica, L.</i> .....	M.C. Southwold.
<i>Cyprina Islandica, L.</i> .....	C.C. Ramsholt.
<i>Cyprina rustica, Sby.</i> .....	C.C. Ramsholt.
<i>Astarte mutabilis, Wood.</i> .....	C.C. Ramsholt.
<i>Astarte Omalii, Lajon.</i> .....	C.C. Ramsholt.
<i>Astarte gracilis, Münst.</i> .....	C.C. Gedgrave.
<i>Astarte obliquata, Sby.</i> .....	R.C. Walton.
<i>Astarte Burtinii, Lajon.</i> .....	C.C. Sutton.
<i>Astarte pygmæa, Münst.</i> .....	C.C. Sutton.
<i>Astarte? digitaria, L.</i> .....	R.C. Walton.
<i>Cardita senilis, Lam.</i> .....	C.C. Gedgrave.
<i>Cardita scalaris, Sby.</i> .....	C.C. Sutton.
<i>Cardita orbicularis, Sby.</i> .....	C.C. Sutton.
<i>Cardita corbis, Phi.</i> .....	C.C. Sutton.
<i>Cardium edule, L.</i> .....	M.C. Norwich.
<i>Cardium edule, L.</i> .....	R.C. Sutton.
<i>Cardium angustatum, Sby.</i> .....	R.C. Sutton.
<i>Cardium Parkinsoni, Sby.</i> .....	R.C. Sutton.
<i>Cardium decorticatum, S. Wood</i> ..	C.C. Ramsholt.
<i>Cardium venustum, S. Wood</i> ....	R.C. Walton.
<i>Lucina borealis, L.</i> .....	C.C. Gedgrave.
<i>Lucina crenulata, S. Wood</i> .....	C.C. Walton.
<i>Cryptodon sinuosum, Donov.</i> ....	C.C. Gedgrave.
<i>Diplodonta rotundata, Mont.</i> ....	C.C. Gedgrave.
<i>Diplodonta dilatata, S. Wood</i> ....	C.C. Gedgrave.
<i>Diplodonta astartea, Nyst</i> .....	C.C. & R.C. Sutton.
<i>Kellia suborbicularis, Mont.</i> ....	C.C. Sutton.
<i>Kellia elliptica, Scacchi</i> .....	C.C. Sutton.







<i>Montacuta substriata</i> , <i>Mont.</i> . . . .	C.C. Sutton.
<i>Montacuta truncata</i> , <i>S. Wood</i> . . . .	C.C. Sutton.
<i>Verticordia cardiiformis</i> , <i>S. Wood</i> . . . .	C.C. Sutton.
<i>Arca tetragona</i> , <i>Poli</i> . . . . .	C.C. Sutton.
<i>Arca lactea</i> , <i>L.</i> . . . . .	C.C. Sutton.
<i>Arca pectunculoides</i> , <i>Sca.</i> . . . . .	C.C. Sutton.
<i>Pectunculus glycimeris</i> , <i>L.</i> . . . . .	C.C. Ramsholt.
<i>Pectunculus glycimeris</i> , var. sub- obliquus, <i>S. Wood</i> . . . . .	R.C. Walton.
<i>Limopsis aurita</i> , <i>Broc.</i> . . . . .	C.C. Orford.
<i>Limopsis pygmæa</i> , <i>Phi.</i> . . . . .	C.C. Orford.
<i>Nucula lævigata</i> , <i>Sby.</i> . . . . .	R.C. Walton.
<i>Nucula Cobboldiæ</i> , <i>Sby.</i> . . . . .	M.C. Chillesford.
<i>Nucula nucleus</i> , <i>L.</i> . . . . .	C.C. Gedgrave.
<i>Nucula tenuis</i> , <i>Mont.</i> . . . . .	C.C. Gedgrave.
<i>Leda lanceolata</i> , <i>Sby.</i> . . . . .	M.C. Chillesford.
<i>Leda myalis</i> , <i>Couth.</i> . . . . .	M.C. Norwich.
<i>Leda pygmæa</i> , <i>Münst.</i> . . . . .	C.C. Sutton.
<i>Mytilus edulis</i> , <i>L.</i> . . . . .	C.C. Sutton.
<i>Modiola costulata</i> , <i>Risso.</i> . . . . .	C.C. Sutton.
<i>Modiola sericea</i> , <i>Bronn.</i> . . . . .	C.C. Orford.
<i>Pinna pectinata</i> , <i>L.</i> . . . . .	C.C. Orford.
<i>Lima plicatula</i> , <i>S. Wood</i> . . . . .	C.C. Sutton.
<i>Pecten maximus</i> , <i>L.</i> . . . . .	C.C. Ramsholt.
<i>Pecten Gerardi</i> , <i>Nyst</i> . . . . .	C.C. Orford.
<i>Pecten tigrinus</i> , <i>Müll.</i> . . . . .	C.C. Sutton.
<i>Pecten pusio</i> , <i>Penn.</i> . . . . .	C.C. Sutton.
<i>Pecten pusio</i> , <i>Penn.</i> . . . . .	R.C. Walton.
<i>Pecten opercularis</i> , <i>L.</i> . . . . .	C.C. Ramsholt.
<i>Pecten dubius</i> , <i>Broc.</i> . . . . .	C.C. Ramsholt.
<i>Anomia ehippium</i> , <i>L.</i> . . . . .	C.C. Sutton.
<i>Anomia aculeata</i> , <i>Müll.</i> . . . . .	C.C. Sutton.

## BRACHIOPODA.

<i>Terebratula grandis</i> , <i>Blum.</i> . . . . .	C.C. Gedgrave.
<i>Terebratula grandis</i> , <i>Blum.</i> . . . . .	R.C. Sutton.
<i>Rhynchonella psittacea</i> , <i>Chemn.</i> . . . .	M.C. Norwich.

## GASTEROPODA.

<i>Tornatella Noë, Sby.</i> . . . . .	R.C. Walton.
<i>Ringicula buccinea, Broc.</i> . . . . .	C.C. Sutton.
<i>Ringicula ventricosa, Sby.</i> . . . . .	R.C. Sutton.
<i>Cylichna conulus, Desh.</i> . . . . .	C.C. Sutton.
<i>Cylichna cylindracea, Penn.</i> . . . . .	C.C. Sutton.
<i>Cylichna concinna, S. Wood</i> . . . . .	C.C. Sutton.
<i>Volvula acuminata, Brug.</i> . . . . .	C.C. Sutton.
<i>Conovulus pyramidalis, Sby.</i> . . . .	R.C. Sutton.
<i>Chiton fascicularis, L.</i> . . . . .	C.C. Sutton.
<i>Dentalium costatum, Sby.</i> . . . . .	R.C. Walton.
<i>Dentalium bifissum, S. Wood</i> . . . .	C.C. Sutton.
<i>Acmaea virginea, Müll.</i> . . . . .	R.C. Walton.
<i>Fissurella reticulata, Don.</i> . . . . .	R.C. Walton.
<i>Emarginula fissura, L.</i> . . . . .	R.C. Walton.
<i>Trochus zizyphinus, L.</i> . . . . .	R.C. Walton.
<i>Trochus granulatus, Born</i> . . . . .	R.C. Sutton.
<i>Trochus subexcavatus, S. Wood.</i> . .	R.C. Walton.
<i>Trochus Montacuti, Wood</i> . . . . .	C.C. Sutton.
<i>Trochus Adansonii, Payr.</i> . . . . .	C.C. Sutton.
<i>Trochus tumidus, Mont.</i> . . . . .	R.C. Sutton.
<i>Trochus cineroides, S. Wood</i> . . . .	R.C. Walton.
<i>Adeorbis supra-nitidus, S. Wood.</i> .	C.C. Sutton.
<i>Litorina litorea, L.</i> . . . . .	M.C. Norwich.
<i>Litorina suboperta, Sby.</i> . . . . .	R.C. Sutton.
<i>Litorina rudis, Donov.</i> . . . . .	C.C. Sutton.
<i>Hydrobia, sp.</i> . . . . .	C.C. Sutton.
<i>Rissoa crassi-striata, S. Wood.</i> . . .	C.C. Sutton.
<i>Turritella communis, Risso</i> . . . . .	R.C. Sutton.
<i>Turritella incrassata, Sby.</i> . . . . .	C.C. Orford.
<i>Cæcum mamillatum, S. Wood</i> . . . .	C.C. Sutton.
<i>Cerithium punctatum, Woodw.</i> . .	R.C. Sutton.
<i>Triforis adversa, Mont.</i> . . . . .	C.C. Sutton.
<i>Cerithiopsis tubercularis, Mont.</i> . .	C.C. Sutton.
<i>Aporrhais pes-pellicani, L.</i> . . . . .	C.C. Orford.
<i>Calyptrea Sinensis, L.</i> . . . . .	C.C. Orford.
<i>Calyptrea Sinensis, L.</i> . . . . .	R.C. Sutton.





<i>Pileopsis Hungaricus</i> , <i>L.</i> . . . . .	C.C. Orford.
<i>Odostomia plicata</i> , <i>Mont.</i> . . . . .	C.C. Sutton.
<i>Chemnitzia internodula</i> , <i>S. Wood</i> .	C.C. Sutton.
<i>Chemnitzia varicula</i> , <i>S. Wood.</i> . . .	C.C. Sutton.
<i>Scalaria Grœnlandica</i> , <i>Chemn.</i> . . . .	M.C. Norwich.
<i>Scalaria foliacea</i> , <i>Sby.</i> . . . . .	C.C. Sutton.
<i>Scalaria subulata</i> , <i>Sby.</i> . . . . .	C.C. Sutton.
<i>Scalaria clathratula</i> , <i>Turt.</i> . . . . .	C.C. Sutton.
<i>Admete viridula</i> , <i>Müll.</i> . . . . .	C.C. Sutton.
<i>Natica catenoides</i> , <i>S. Wood</i> . . . . .	R.C. Sutton & Walton.
<i>Natica varians</i> , <i>Dujard.</i> . . . . .	R.C. Walton.
<i>Natica hemiclausula</i> , <i>Sby.</i> . . . . .	R.C. Walton.
<i>Natica multipunctata</i> , <i>S. Wood.</i> . .	R.C. Walton.
<i>Trivia avellana</i> , <i>J. Sby.</i> . . . . .	R.C. Walton.
<i>Trivia Europœa</i> , <i>Mont.</i> . . . . .	R.C. Sutton.
<i>Voluta Lamberti</i> , <i>Sby.</i> . . . . .	R.C. Felixstow.
<i>Voluta Lamberti</i> , <i>Sby.</i> . . . . .	C.C. Orford.
<i>Mangelia mitrula</i> , <i>Sby.</i> . . . . .	C.C. Sutton.
<i>Defrancia cancellata</i> , <i>J. Sby.</i> . . .	R.C. Sutton.
<i>Murex tortuosus</i> , <i>Sby.</i> . . . . .	R.C. Sutton.
<i>Trophon scalariformis</i> , <i>Gould</i> . . .	R.C. Sutton.
<i>Trophon muricatus</i> , <i>Mont.</i> . . . . .	R.C. Sutton.
<i>Purpura lapillus</i> , <i>L.</i> . . . . .	M.C. Norwich.
<i>Purpura lapillus</i> , var. <i>crispata</i> , <i>Sby.</i>	M.C. Norwich.
<i>Purpura lapillus</i> , var. <i>carinata</i> . .	R.C. Sutton.
<i>Purpura lapillus</i> , var. <i>incrassata</i> , <i>Sby.</i> . . . . .	M.C. Norwich.
<i>Purpura tetragona</i> , <i>Sby.</i> . . . . .	R.C. Sutton.
<i>Fusus antiquus</i> , <i>Müll.</i> . . . . .	M.C. Norwich.
<i>Fusus carinatus</i> , <i>Lam.</i> . . . . .	R.C. Sutton.
<i>Fusus contrarius</i> , <i>Lam.</i> . . . . .	R.C. Walton.
<i>Fusus gracilis</i> , <i>Da Costa</i> . . . . .	R.C. Sutton.
<i>Fusus costiferus</i> , <i>S. Wood</i> . . . . .	R.C. Walton.
<i>Fusus alveolatus</i> , <i>Sby.</i> . . . . .	C.C. Gedgrave.
<i>Fusus consocialis</i> , <i>S. Wood</i> . . . . .	C.C. Gedgrave.
<i>Buccinum tenerum</i> , <i>Sby.</i> . . . . .	M.C. Norwich.
<i>Buccinum striatum</i> , <i>Penn.</i> . . . . .	R.C. Walton.

<i>Buccinum Dalei, Sby.</i> .....	R.C. Walton.
<i>Buccinum Dalei, Sby.</i> .....	C.C. Gedgrave.
<i>Nassa labiosa, Sby.</i> .....	C.C. Orford.
<i>Nassa granulata, Sby.</i> .....	R.C. Walton.
<i>Nassa propinqua, Sby.</i> .....	R.C. Walton.
<i>Nassa elegans, Sby.</i> .....	R.C. Walton.
<i>Nassa reticosa, Sby.</i> .....	R.C. Walton.
<i>Nassa reticosa, var. rugosa, Sby.</i>	R.C. Walton.
<i>Pisania sulcata, Sby.</i> .....	R.C. Walton.
<i>Terebra inversa, Nyst</i> .....	C.C. Orford.
<i>Terebra canalis, S. Wood</i> .....	C.C. Orford.

## PISCES.

<i>Raia antiqua, Ag.</i> .....	M.C. Norwich.
<i>Zygobates Woodwardi, Ag.</i> .....	M.C. Norwich*.
<i>Notidanus serratissimus, Ag.</i> ....	R.C. Walton*.
<i>Otodus obliquus, Ag.</i> .....	R.C. Walton*.
<i>Lamna crassidens, Ag.</i> .....	R.C. Walton*.
<i>Oxyrhina hastalis, Ag.</i> .....	R.C. Felixstow*.
<i>Carcharias megalodon, Ag.</i> .....	R.C. Felixstow*.
Otolithes of fishes .....	C.C. Gedgrave.
<i>Platax Woodwardi, Ag.</i> .....	M.C. Norwich.

## MAMMALIA.

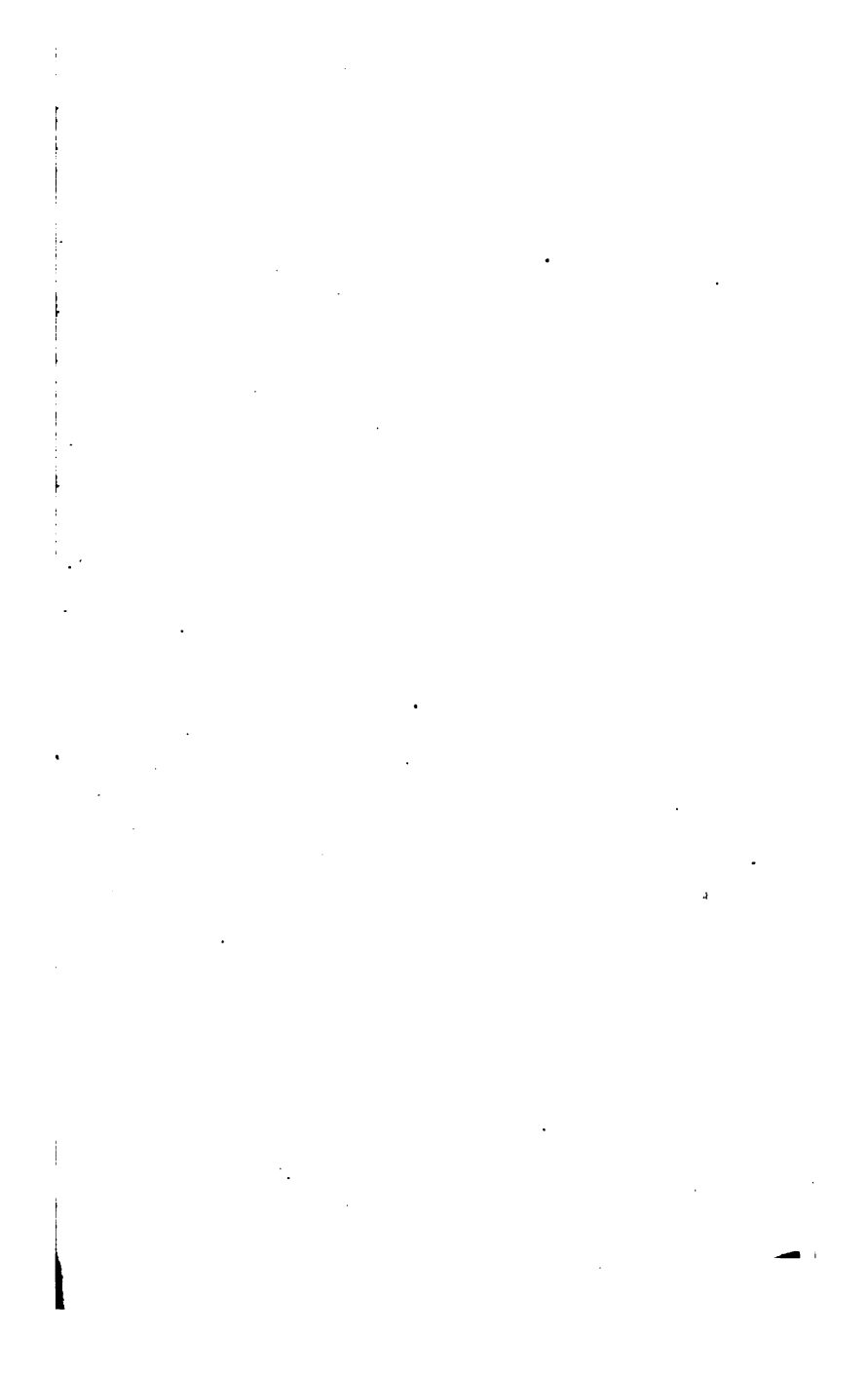
<i>Rhinoceros leptorhinus, Cuv.</i> ....	M.C. Hasborough, Norf.
<i>Elephas meridionalis, Nesti.</i> .....	M.C. Norwich.
<i>Mastodon Arvernensis, Croizet</i> ..	R.C. Woodbridge.
<i>Balænodon affinis, Owen</i> .....	R.C. Felixstow.
<i>Balænodon definitus, O.</i> .....	R.C. Felixstow.
<i>Balænodon emarginatus, O.</i> .....	R.C. Felixstow.

## EOCENE.

## PLANTÆ.

<i>Chara, sp.</i> .....	U.E. Isle of Wight.
<i>Nipadites, sp.</i> .....	L.Cl. Sheppy.

\* Derived from the wreck of the Upper Eocene strata.







<b>Cupressinites</b> , sp. ....	L.Cl. Sheppy.
<b>Petrophiloides Richardsoni</b> , <i>Bow.</i> ..	L.Cl. Sheppy.
<b>Faboidea</b> , sp. ....	L.Cl. Sheppy.
<b>Tricarpellites</b> , sp. ....	L.Cl. Sheppy.
<b>Hightea</b> , sp. ....	L.Cl. Sheppy.

**FORAMINIFERA.**

<b>Nummulites lævigatus</b> , <i>Lam.</i> ....	M.E. Bracklesham.
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**ZOOPHYTA.**

<b>Litharea Websteri</b> , <i>Bow.</i> ....	M.E. Bracklesham.
<b>Paracyathus caryophyllus</b> , <i>Lam.</i> ...	L.Cl. Sheppy.
<b>Turbinolia sulcata</b> , <i>Lam.</i> ....	M.E. Hordle.

**BRYOZOA.**

<b>Flustra crassa</b> , <i>Desm.</i> ....	L.Cl. Highgate.
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**ECHINODERMATA.**

<b>Pentacrinus sub-basaltiformis</b> , <i>Mill.</i>	L.Cl. Sheppy.
<b>Pentacrinus Oakeshottianus</b> , <i>Forbes</i>	L.Cl. Sheppy.
<b>Goniaster Stokesi</b> , <i>Forbes.</i> ....	L.Cl. Sheppy.

**ANNELIDA.**

<b>Ditrupa plana</b> , <i>Sby.</i> ....	L.Cl. Sheppy.
<b>Serpula extensa</b> , <i>Solr.</i> ....	M.E. Hordwell.
<b>Serpula heptagona</b> , <i>Sby.</i> ....	M.E. Hordwell.
<b>Vermicularia Bognoriensis</b> , <i>Mant.</i>	L.Cl. Bognor.

**CIRRIPEDA.**

<b>Balanus unguiformis</b> , <i>Sby.</i> ....	L.Cl. Bracklesham.
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**CRUSTACEA.**

<b>Xanthopsis Leachii</b> , <i>Desm.</i> ....	L.Cl. Sheppy.
<b>Plagiolophus Wetherelli</b> , <i>Bell</i> ....	L.Cl. Sheppy.
<b>Goniochelys angulata</b> , <i>Bell</i> ....	L.Cl. Sheppy.
<b>Basinotopus Lamarckii</b> , <i>Desm.</i> ..	L.Cl. Sheppy.
<b>Hoploparia gammaroides</b> , <i>M'Coy.</i> ..	L.Cl. Sheppy.

## CONCHIFERA.

<i>Teredo antenautæ</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Teredina personata</i> , <i>Lam.</i> .....	L.Cl. Sheppy.
<i>Pholadomya tuncata</i> , <i>Sby.</i> .....	L.E. Pegwell Bay.
<i>Pholadomya margaritacea</i> , <i>Sby.</i> ..	L.E. Isle of Wight.
<i>Mya?</i> <i>angustata</i> , <i>Sby.</i> .....	U.M. Totland Bay, Isle of Wight.
<i>Panopæa intermedia</i> , <i>Sby.</i> .....	L.Cl. Bognor.
<i>Corbula ficus</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Corbula striata</i> , <i>Lam.</i> .....	M.E. Barton.
<i>Corbula pisum</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Corbula globosa</i> , <i>Sby.</i> .....	L.Cl. Sheppy; Highgate.
<i>Potamomya gregaria</i> , <i>Sby.</i> .....	M.E. Isle of Wight.
<i>Næra inflata</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Tellina speciosa</i> , <i>Edw.</i> .....	M.E. Bracklesham.
<i>Tellina plagia</i> , <i>Edw.</i> .....	M.E. Bracklesham.
<i>Tellina ambigua</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Psammobia solida</i> , <i>Sby.</i> .....	M.E. Totland Bay.
<i>Sanguinolaria compressa</i> , <i>Sby.</i> ..	M.E. Colwell Bay.
<i>Sanguinolaria Hollowaysii</i> , <i>Sby.</i> ..	M.E. Bracklesham.
<i>Syndosmya splendens</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Mactra depressa</i> , <i>Desh.</i> .....	M.E. Colwell Bay.
<i>Cytherea incrassata</i> , <i>Sby.</i> .....	M.E. Isle of Wight.
<i>Cytherea transversa</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Cytherea suberycinoides</i> , <i>Desh.</i> ...	M.E. Bracklesham.
<i>Cyprina Morrisii</i> , <i>J. Sby.</i> .....	L.Cl. Sheppy.
<i>Isocardia sulcata</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Cyrena deperdita</i> , <i>Sby.</i> .....	P.Cl. Woolwich.
<i>Cyrena cuneiformis</i> , <i>Sby.</i> .....	P.Cl. Isle of Wight.
<i>Cyrena tellinella</i> , <i>Fér.</i> .....	P.Cl. Isle of Wight.
<i>Cyrena pulchra</i> , <i>Sby.</i> .....	U.E. Isle of Wight.
<i>Cyrena obovata</i> , <i>Sby.</i> .....	M.E. Isle of Wight.
<i>Lucina mitis</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Lucina serrata</i> , <i>J. Sby.</i> .....	M.E. Bracklesham.
<i>Cryptodon angulatus</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Cryptodon Goodhalli</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Cardium semigranulatum</i> , <i>Sby.</i> ..	M.E. Barton.





<i>Cardium porulosum</i> , Solr. ....	M.E. Bracklesham.
<i>Cardium turgidum</i> , Solr.....	M.E. Barton.
<i>Cardium nitens</i> , Sby. . . . .	L.Cl. Highgate.
<i>Astarte rugata</i> , Sby.....	L.Cl. Sheppy.
<i>Crassatella sulcata</i> , Solr.....	M.E. Barton.
<i>Crassatella compressa</i> , Lam. ....	M.E. Barton.
<i>Cardita planicosta</i> , Lam. ....	M.E. Bracklesham.
<i>Cardita Brongniarti</i> , Mant. ....	L.Cl. Bognor.
<i>Cardita sulcata</i> , Solr. ....	M.E. Barton.
<i>Cardita acuticosta</i> , Lam. ....	M.E. Bracklesham.
<i>Chama squamosa</i> , Solr.....	M.E. Barton.
<i>Arca duplicata</i> , Sby.....	M.E. Barton.
<i>Arca depressa</i> , Sby. ....	M.E. Bracklesham.
<i>Pectunculus brevirostris</i> , Sby.....	L.Cl. Bognor.
<i>Pectunculus decussatus</i> , Sby. ....	L.Cl. Highgate.
<i>Pectunculus pulvinatus</i> , Lam.....	M.E. Bracklesham.
<i>Pectunculus deletus</i> , Solr. ....	M.E. Barton.
<i>Limopsis scalaris</i> , Sby.....	M.E. Barton.
<i>Nucula similis</i> , Sby. ....	M.E. Barton.
<i>Nucula trigona</i> , Sby. ....	M.E. Bracklesham.
<i>Leda amygdaloides</i> , Sby.....	L.Cl. Sheppy.
<i>Leda minima</i> , Sby. ....	M.E. Bracklesham.
<i>Mytilus affinis</i> , Sby.....	M.E. Colwell Bay.
<i>Modiola elegans</i> , Sby. ....	L.Cl. Sheppy.
<i>Pinna affinis</i> , Sby.....	L.Cl. Bognor.
<i>Avicula media</i> , Sby.....	L.Cl. Sheppy.
<i>Avicula papyracea</i> , Sby. ....	L.Cl. Sheppy.
<i>Ostrea pulchra</i> , Sby.....	L.E. Woolwich.
<i>Ostrea Bellovacina</i> , Lam.....	L.E. Woolwich.
<i>Ostrea gigantea</i> , Sby. ....	L.Cl. Bognor.
<i>Ostrea flabellula</i> , Lam.....	M.E. Barton.
<i>Anomia lineata</i> , Sby. ....	L.Cl. Bognor.
<i>Anomia lineata</i> , Sby. ....	M.E. Barton.
<i>Pecten carinatus</i> , Sby.....	M.E. Barton.

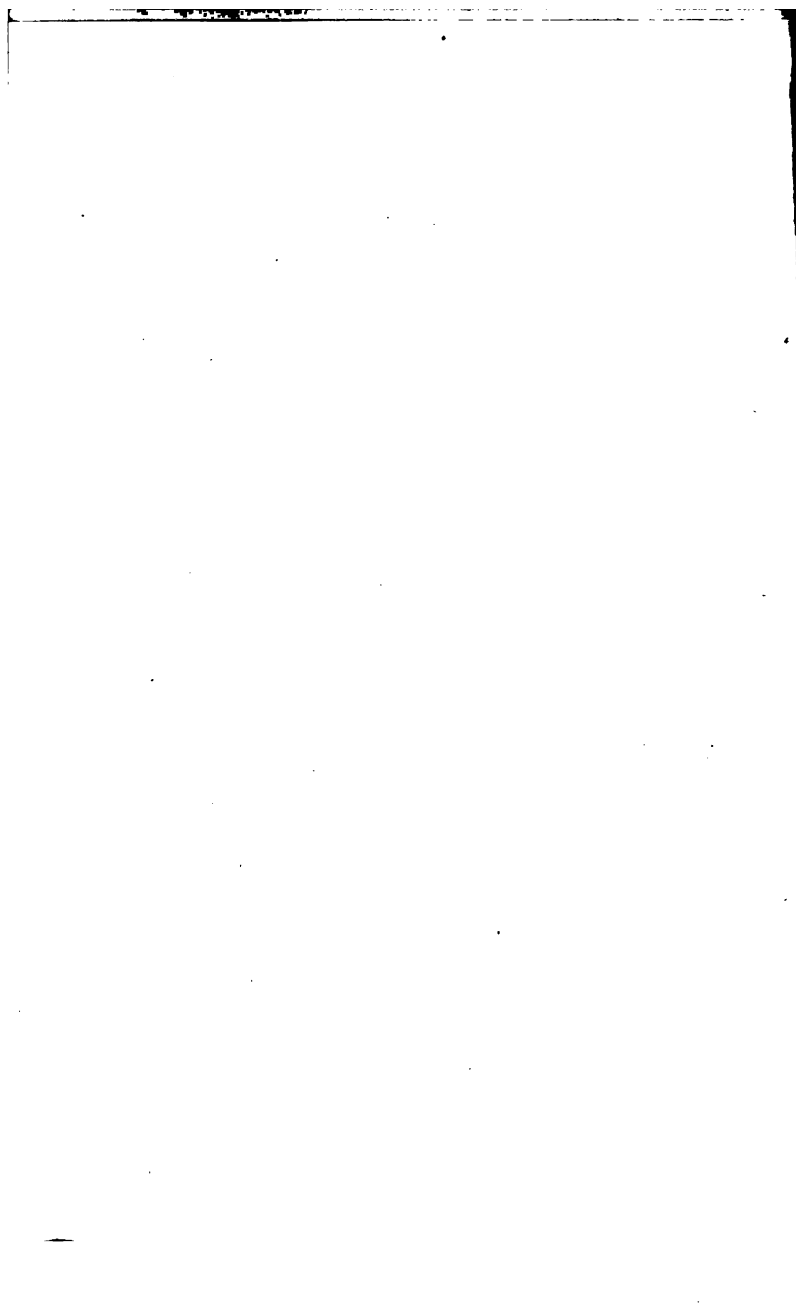
## BRACHIOPODA.

<i>Terebratulina striatula</i> , Sby. ....	L.Cl. Sheppy.
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## GASTEROPODA.

• Tornatella simulata, Solr. ....	M.E. Barton.
Tornatella elongata, Sby.....	M.E. Barton.
Ringicula turgida, Sby. ....	L.Cl. Highgate.
Bulla constricta, Sby. ....	M.E. Barton.
Bulla attenuata, Sby. ....	M.E. Barton.
Bulla filosa, Sby. ....	L.Cl. Sheppy.
Scaphander Edwardsii, J. Sby....	M.E. Bracklesham.
Helix oclusa, Edw. ....	U.E. Isle of Wight.
Bulimus ellipticus, Sby. ....	U.E. Isle of Wight.
Glandina costellata, Sby.....	U.E. Isle of Wight.
Limnæa caudata, Edw.....	M.E. Isle of Wight.
Limnæa longiscata, Brongn.....	M.E. Isle of Wight.
Limnæa pyramidalis, Sby. ....	M.E. Isle of Wight.
Planorbis euomphalus, Sby.....	M.E. Isle of Wight.
Planorbis cylindricus, Sby. ....	M.E. Isle of Wight.
Planorbis obtusus, Sby. ....	M.E. Isle of Wight.
Dentalium striatum, Sby. ....	M.E. Barton.
Dentalium nitens, Sby.....	L.Cl. Highgate.
Trochus monilifer, Lam. ....	M.E. Barton.
Neritina concava, Sby.....	U.E. Isle of Wight.
Neritina globulus, DeFr. ....	L.E. Woolwich.
Paludina angulosa, Sby. ....	U.E. Isle of Wight.
Paludina lenta, Solr.....	U.E. Isle of Wight.
Melania inquinata, DeFr.....	L.E. Woolwich.
Melania truncata, Sby. ....	M.E. Isle of Wight.
Melania fasciata, Sby.....	U.E. Isle of Wight.
Melanopsis ancillaroides, Desh. ..	M.E. Isle of Wight.
Melanopsis buccinoides, Fér. ....	L.E. Woolwich.
Melanopsis brevis, Sby. ....	U.E. Isle of Wight.
Litorina sulcata, Pilk.....	M.E. Barton.
Turritella terebellata, Lam.....	L.Cl. Bracklesham.
Turritella imbricata, Lam. ....	L.Cl. Barton.
Mesalia sulcata, Lam. ....	L.Cl. Bracklesham.
Cerithium cornucopiæ, Sby.....	L.Cl. Bracklesham.
Potamides plicatus, Sby. ....	M.E. Isle of Wight.
Potamides ventricosus, Sby.....	M.E. Isle of Wight.







<i>Potamides cinctus</i> , <i>Sby.</i> . . . . .	M.E. Isle of Wight.
<i>Potamides margaritaceus</i> , <i>Broc.</i> . . . .	M.E. Isle of Wight.
<i>Potamides concavus</i> , <i>Sby.</i> . . . . .	M.E. Isle of Wight.
<i>Potamides duplex</i> , <i>Sby.</i> . . . . .	M.E. Isle of Wight.
<i>Calyptræa trochiformis</i> , <i>Lam.</i> . . . .	M.E. Barton.
<i>Phorus agglutinans</i> , <i>Lam.</i> . . . . .	M.E. Barton.
<i>Phorus extensus</i> , <i>Sby.</i> . . . . .	L.Cl. Sheppy.
<i>Solarium plicatum</i> , <i>Lam.</i> . . . . .	M.E. Barton.
<i>Solarium canaliculatum</i> , <i>Lam.</i> . . . .	M.E. Barton.
<i>Solarium patulum</i> , <i>Lam.</i> . . . . .	L.Cl. Sheppy.
<i>Scalaria reticulata</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Scalaria acuta</i> , <i>Sby.</i> . . . . .	M.E. Barton.
<i>Natica epiglottina</i> , <i>Lam.</i> . . . . .	M.E. Barton.
<i>Natica Hantoniensis</i> , <i>Pilk.</i> . . . . .	M.E. Barton.
<i>Natica labellata</i> , <i>Lam.</i> . . . . .	L.Cl. Sheppy.
<i>Natica sphærica</i> , <i>Desh.</i> . . . . .	M.E. Bracklesham.
<i>Globulus patulus</i> , <i>Lam.</i> . . . . .	M.E. Barton.
<i>Globulus ambulacrum</i> , <i>Sby.</i> . . . . .	M.E. Barton.
<i>Globulus depressus</i> , <i>Sby.</i> . . . . .	M.E. Barton.
<i>Globulus sigaretinus</i> , <i>Sby.</i> . . . . .	L.Cl. Bognor.
<i>Cypræa oviformis</i> , <i>Sby.</i> . . . . .	L.Cl. Highgate.
<i>Pyrula Smithii</i> , <i>Sby.</i> . . . . .	L.Cl. Bognor.
<i>Pyrula Greenwoodi</i> , <i>Sby.</i> . . . . .	L.Cl. Sheppy.
<i>Pyrula nexilis</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Cancellaria evulsa</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Triton argutus</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Cassidaria striata</i> , <i>Sby.</i> . . . . .	L.Cl. Sheppy.
<i>Voluta luctatrix</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Voluta nodosa</i> , <i>Sby.</i> . . . . .	L.Cl. Highgate.
<i>Voluta ambigua</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Voluta digitalina</i> , <i>Lam.</i> . . . . .	M.E. Barton.
<i>Voluta elevata</i> , <i>Sby.</i> . . . . .	M.E. Bracklesham.
<i>Voluta Solandri</i> , <i>Edw.</i> . . . . .	M.E. Barton.
<i>Voluta depauperata</i> , <i>Sby.</i> . . . . .	M.E. Isle of Wight.
<i>Voluta Athleta</i> , <i>Solr.</i> . . . . .	M.E. Barton.
<i>Voluta denudata</i> , <i>Sby.</i> . . . . .	L.Cl. Bognor.
<i>Voluta Selseiensis</i> , <i>Edw.</i> . . . . .	M.E. Bracklesham.

<i>Voluta costata</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Voluta maga</i> , <i>Edw.</i> .....	M.E. Barton.
<i>Voluta Wetherelli</i> , <i>Sby.</i> .....	L.Cl. Islington.
<i>Mitra pumila</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Mitra scabra</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Conus concinnus</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Conus diversiformis</i> , <i>Desh.</i> .....	M.E. Bracklesham.
<i>Conorbis dormitor</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Conorbis scabriculus</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Pleurotoma attenuata</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Pleurotoma macilenta</i> , <i>Solr.</i> ....	M.E. Barton.
<i>Pleurotoma exorta</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Pleurotoma rostrata</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Pleurotoma prisca</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Pleurotoma comma</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Pleurotoma turbida</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Pleurotoma conoides</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Daphnella juncea</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Oliva Branderi</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Oliva canalifera</i> , <i>Lam.</i> .....	M.E. Barton.
<i>Ancillaria buccinoides</i> , <i>Lam.</i> ....	M.E. Isle of Wight.
<i>Ancillaria aveniformis</i> , <i>Sby.</i> ....	M.E. Barton.
<i>Pseudoliva obtusa</i> , <i>Sby.</i> .....	M.E. Bracklesham.
<i>Fusus porrectus</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Fusus aciculatus</i> , <i>Lam.</i> .....	M.E. Barton.
<i>Fusus asper</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Fusus regularis</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Fusus trilineatus</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Fusus bifasciatus</i> , <i>Sby.</i> .....	L.Cl. Wandsworth.
<i>Fusus errans</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Fusus curtus</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Fusus tuberosus</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Fusus interruptus</i> , <i>Pilk.</i> .....	L.Cl. Highgate.
<i>Fusus lima</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Fusus carinella</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Fusus complanatus</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Fusus turgidus</i> , <i>Solr.</i> .....	M.E. Barton.









<i>Fusus pyrus</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Fusus bulbus</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Clavella longæva</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Buccinum</i> ? <i>lavatum</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Buccinum labiatum</i> , <i>Sby.</i> .....	M.E. Isle of Wight.
<i>Buccinum desertum</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Buccinum canaliculatum</i> , <i>Sby.</i> ..	M.E. Barton.
<i>Murex asper</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Murex coronatus</i> , <i>Sby.</i> .....	L.Cl. Highgate.
<i>Murex minax</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Murex defossus</i> , <i>Pilk.</i> .....	M.E. Barton.
<i>Murex sexdentatus</i> , <i>Sby.</i> .....	M.E. Isle of Wight.
<i>Typhis pungens</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Typhis fistulosus</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Rostellaria ampla</i> , <i>Solr.</i> .....	M.E. Barton.
<i>Rostellaria</i> ( <i>Rimella</i> ) <i>rimosa</i> , <i>Solr.</i>	M.E. Barton.
<i>Rostellaria</i> ( <i>Rimella</i> ) <i>incida</i> , <i>Sby.</i>	L.Cl. Highgate.
<i>Strombus Bartonensis</i> , <i>Sby.</i> .....	M.E. Barton.
<i>Seraphs convolutus</i> , <i>Montf.</i> .....	M.E. Barton.
<i>Seraphs fusiformis</i> , <i>Lam.</i> .....	M.E. Barton.

## CEPHALOPODA.

<i>Nautilus imperialis</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Nautilus centralis</i> , <i>Sby.</i> .....	L.Cl. Sheppy.
<i>Belosepia sepioidea</i> , <i>Bl.</i> .....	L.Cl. Sheppy.

## PISCES.

<i>Pristis Hastingsæ</i> , <i>Ag.</i> .....	M.E. Bracklesham.
<i>Myliobatis striatus</i> , <i>Ag.</i> .....	L.Cl. Sheppy.
<i>Myliobatis Dixoni</i> , <i>Ag.</i> .....	M.E. Bracklesham.
<i>Myliobatis Toliapicus</i> , <i>Ag.</i> (spine)	M.E. Bracklesham.
<i>Myliobatis Edwardsii</i> , <i>Dixon</i> (jaw)	M.E. Bracklesham.
<i>Ætobatis convexus</i> , <i>Ag.</i> .....	M.E. Bracklesham.
<i>Ætobatis irregularis</i> , <i>Ag.</i> .....	M.E. Bracklesham.
<i>Ætobatis rectus</i> , <i>Dixon</i> .....	M.E. Bracklesham.
<i>Cœlorhynchus rectus</i> , <i>Ag.</i> .....	M.E. Bracklesham.
<i>Otodus obliquus</i> , <i>Ag.</i> .....	L.Cl. Sheppy.

<i>Otodus macrotus</i> , <i>Ag.</i> . . . . .	M.E. Bracklesham.
<i>Otodus</i> (vertebræ) . . . . .	L.Cl. Sheppy.
<i>Lamna elegans</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Lamna Hopei</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Lamna crassidens</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Edaphodon leptognathus</i> , <i>Ag.</i> . . . .	L.Cl. Sheppy.
<i>Cœlopoma læve</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Cœlopoma Colei</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Sphyrænodus crassidens</i> , <i>Ag.</i> . . . .	L.Cl. Sheppy.
<i>Halecopsis lævis</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Sciænurus crassior</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Sciænurus Bowerbankii</i> , <i>Ag.</i> . . . .	L.Cl. Sheppy.
<i>Cybiium macropomum</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Tetrapturus priscus</i> , <i>Ag.</i> (vertebræ)	M.E. Bracklesham.
<i>Pisodus politus</i> , <i>Owen</i> . . . . .	L.Cl. Sheppy.
<i>Phyllodus toliapicus</i> , <i>Ag.</i> . . . . .	L.Cl. Sheppy.
<i>Lepidosteus</i> ? . . . . .	M.E. Hordwell.

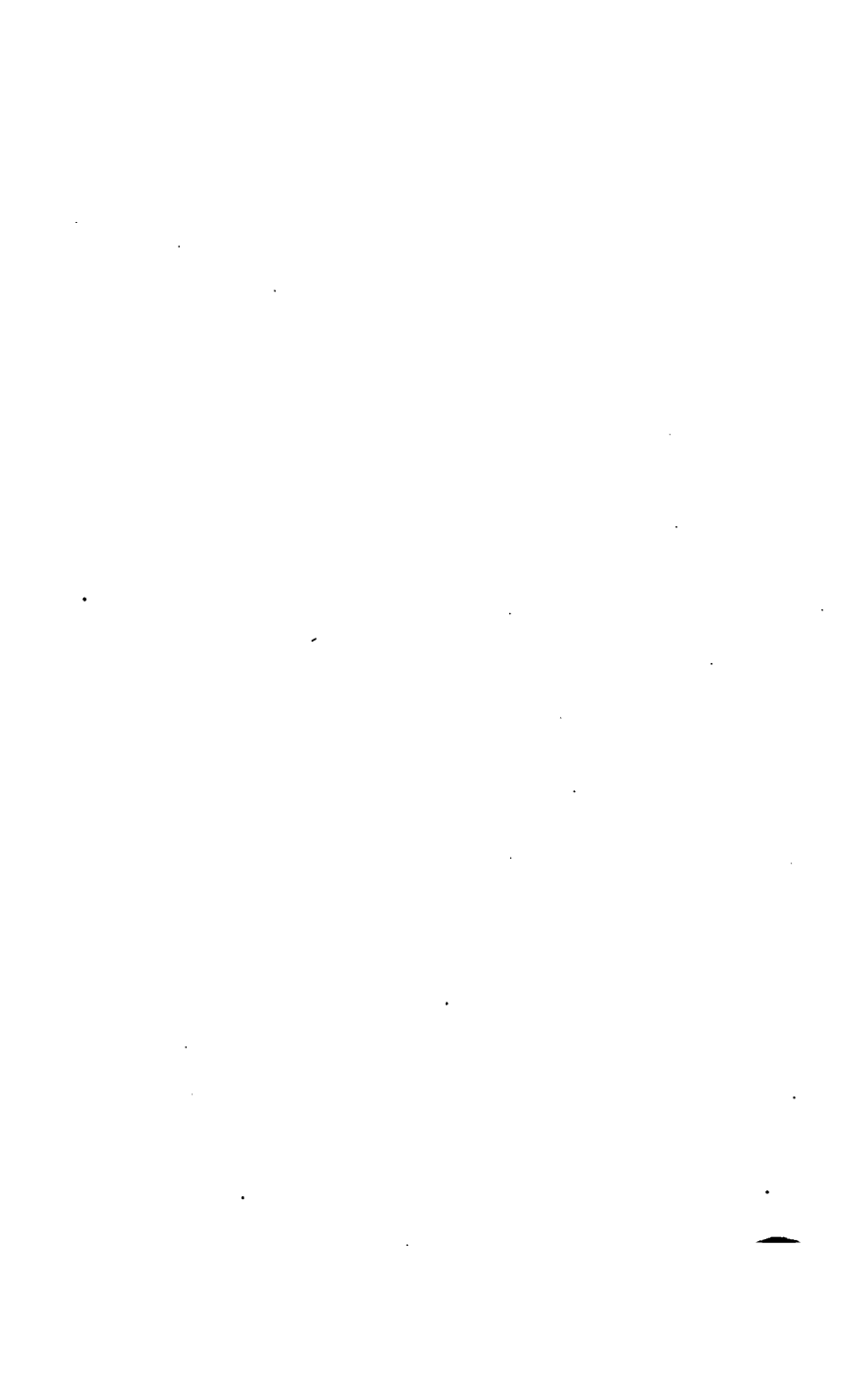
## REPTILIA.

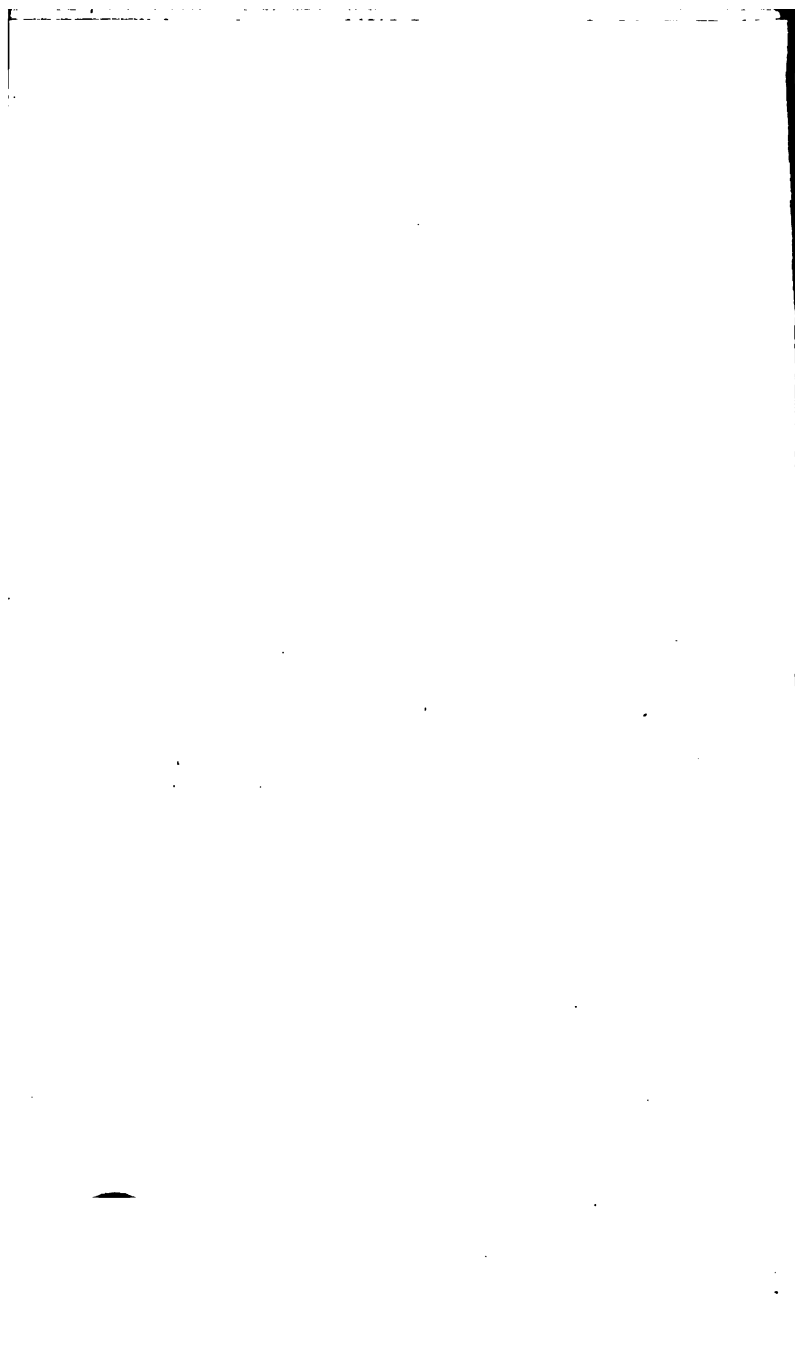
<i>Chelonia</i> , sp. . . . .	L.Cl. Sheppy.
<i>Trionyx</i> , sp. . . . .	M.E. Hordwell.
<i>Palæophis Toliapicus</i> , <i>Owen</i> . . . . .	L.Cl. Sheppy.
<i>Crocodilus</i> , sp. (vertebræ, &c.) . . . .	L.Cl. Sheppy.
<i>Crocodilus</i> (dermal scutes) . . . . .	M.E. Hordwell.
<i>Crocodilus</i> , sp. (teeth) . . . . .	M.E. Isle of Wight.

## MAMMALIA.

<i>Hypotamus bovinus</i> , <i>Owen</i> . . . . .	M.E. Isle of Wight.
<i>Palæotherium</i> , sp. (teeth) . . . . .	M.E. Isle of Wight.
<i>Anoplotherium</i> , sp. (teeth) . . . . .	M.E. Isle of Wight.







## CHALK FORMATION.

U.Ch. Upper Chalk.                      L.Ch. Lower Chalk.  
    Ch.M. Chalk-marl.

## AMORPHOZOA.

Banded flint (spongeous ?) . . . . .	U.Ch. Gravesend.
Spongeous flint. . . . .	U.Ch. Chilmark, Wilts.
Spongeous flint attached to <i>Inoceramus</i> . . . . .	U.Ch. Gravesend.
Spongeous flint with plate of <i>Cidaris</i> . . . . .	U.Ch. Gravesend.
<i>Cliona cretacea</i> , <i>Portl.</i> . . . . .	U.Ch. Norfolk.
<i>Coscinopora globularis</i> , <i>Phil.</i> . . . .	U.Ch. Kent.
<i>Coscinopora pileolus</i> , <i>Lam.</i> . . . . .	U.Ch. Kent.
<i>Spongia ramosa</i> , <i>Mant.</i> . . . . .	U.Ch. Wilts.
<i>Rhizospongia</i> , sp. . . . .	L.Ch. Yorkshire.
<i>Polypothecia</i> , sp. . . . .	U.Ch. Wiley, Warm <sup>r</sup> .
<i>Siphonia</i> , sp. . . . .	L.Ch. Bridlington.
<i>Choanites Königi</i> , <i>Mant.</i> . . . . .	U.Ch. Chilmark, Wilts.
<i>Choanites Königi</i> , polished sections . . . . .	U.Ch. Brighton.
<i>Ventriculites Townsendi</i> , <i>Mant.</i> . . . .	U.Ch. Gravesend.
<i>Ventriculites alcyonoides</i> , <i>Mant.</i> . . . .	U.Ch. Kent.
<i>Ventriculites striatus</i> , <i>J. T. Smith.</i> . . . .	U.Ch. Kent.
<i>Ventriculites cavatus</i> , <i>J. T. Smith.</i> . . . .	U.Ch. Kent.
<i>Ventriculites mamillaris</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Kent.
<i>Ventriculites decurrens</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Kent.
<i>Ventriculites muricatus</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Kent.
<i>Ventriculites radiatus</i> , <i>Mant.</i> . . . .	U.Ch. Chilmark, Wilts.
<i>Ventriculites infundibuliformis</i> , <i>Woodw.</i> . . . . .	U.Ch. Norfolk.
<i>Cephalites catenifer</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Kent.
<i>Brachiolites elegans</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Brighton.
<i>Brachiolites labyrinthicus</i> , <i>Mant.</i> . . . .	Ch.M. Sussex.
<i>Brachiolites racemosus</i> , <i>J. T. Sm.</i> . . . .	U.Ch. Kent.
<i>Brachiolites Fittoni</i> , <i>Mant.</i> . . . .	U.Ch. Gravesend.
<i>Guettardia quadrangularis</i> , <i>Mant.</i> . . . .	U.Ch. Kent.

## FORAMINIFERA.

*Spirolinites*, sp. . . . . U.Ch. Chichester.

## ZOOPHYTA.

*Parasmilia centralis*, *Mant.* . . . . U.Ch. Gravesend.

*Parasmilia Fittoni*, *M.-Edw.* . . . . U.Ch. Norwich.

*Parasmilia cultrata*, *Lonsd.* . . . . U.Ch. Kent.

*Diblasus Grevensis*, *Lonsd.* . . . . U.Ch. Gravesend.

*Stephanophyllia Bowerbankii*, *M.-E.* Ch.M. Dover.

## BRYOZOA.

*Lunulites cretaceus*, *Defr.* . . . . U.Ch. Kent.

*Idmonea cretacea*, *M.-Edw.* . . . . L.Ch. Dover.

*Pustulopora pustulosa*, *Goldf.* . . . . U.Ch. Kent.

*Siphoniotyphlus plumatus*, *Lam.* . . . . U.Ch. Kent.

*Desmeopora semicylindrica*, *Ræm.* . . . . L.Ch. Dover.

*Homœosolen ramulosus*, *Lonsd.* . . . . U.Ch. Sussex.

*Hippothoa Johnstoni*, *Mant.* . . . . U.Ch. Gravesend.

*Alecto ramea*, *Bl.* . . . . U.Ch. Gravesend.

*Alecto gracilis*, *M.-Edw.* . . . . U.Ch. Norwich.

*Diastopora ramosa*, *Mich.* . . . . U.Ch. Sussex.

*Diastopora Sowerbii*, *Lonsd.* . . . . U.Ch. Sussex.

## CRINOIDEA.

*Bourgueticrinus ellipticus*, *Miller.* U.Ch. Gravesend.

*Pentacrinus Agassizii*, *Hag.* . . . . L.Ch. Dover.

*Marsupites Milleri*, *Mant.* . . . . L.Ch. Sussex.

*Marsupites Milleri*, *Mant.*, var. *ornatus*, *Mill.* . . . . L.Ch. Sussex.

*Comatula paradoxa*, *Goldf.* . . . . U.Ch. Kent.

## OPHIURIDÆ.

*Ophiura serrata*, *Ræmer* . . . . . U.Ch. Gravesend.

## ASTERIADÆ.

*Goniaster Combii*, *Forbes.* . . . . L.Ch. Sussex.





<b>Goniaster uncatu</b> s, <i>Forbes</i> .....	U.Ch. Northfleet.
<b>Goniaster Parkin</b> soni, <i>Forbes</i> ....	U.Ch. Kent.
<b>Oreaster bulbif</b> erus, <i>Forbes</i> .....	U.Ch. Kent.
<b>Oreaster Boys</b> ii, <i>Forbes</i> .....	U.Ch. Kent.
<b>Oreaster coron</b> atus, <i>Forbes</i> .....	U.Ch. Kent.
<b>Oreaster obtu</b> sus, <i>Forbes</i> .....	U.Ch. Kent.
<b>Oreaster pistil</b> iferus, <i>Forbes</i> ....	U.Ch. Kent.

## ECHINIDÆ.

<b>Ananchytes ova</b> tus, <i>Leske</i> .....	U.Ch. Norwich.
<b>Ananchytes ova</b> tus, var. subglobosus, <i>Leske</i> .....	U.Ch. Kent.
<b>Ananchytes ova</b> tus, var. conoideus, <i>Goldf.</i> .....	U.Ch. Kent.
<b>Holaster subglo</b> bosus, <i>Leske</i> ....	L.Ch. Kent.
<b>Holaster planu</b> s, <i>Mant.</i> .....	L.Ch. Kent.
<b>Holaster Trec</b> ensis, <i>Leym.</i> .....	L.Ch. Dover.
<b>Holaster pilu</b> la, <i>Lam.</i> .....	L.Ch. Winchester.
<b>Cardiaster gran</b> ulosus, <i>Goldf.</i> ....	U.Ch. Norwich.
<b>Cardiaster pyg</b> mæus, <i>Forbes</i> ...	L.Ch. Dover.
<b>Micraster cor</b> -anguinum, <i>Leske</i> ..	U.Ch. Kent.
<b>Micraster cor</b> -bovis, <i>Forbes</i> .....	L.Ch. Chilmark.
<b>Micraster gibu</b> s, <i>Goldf.</i> .....	U.Ch. Norwich.
<b>Hemiaster minu</b> mus, <i>Ag.</i> .....	L.Ch. Maidstone.
<b>Hemiaster Mor</b> risii, <i>Forbes</i> .....	L.Ch. Dover.
<b>Galerites albu</b> -galerus, <i>Lam.</i> ....	U.Ch. Kent.
<b>Galerites albu</b> -galerus, var. conicus, <i>Desor</i> .....	U.Ch. Kent.
<b>Galerites albu</b> -galerus, var. subrotundus, <i>Mant.</i> .....	U.Ch. Kent.
<b>Galerites abbrev</b> iatus, <i>Lam.</i> ....	U.Ch. Norfolk.
<b>Discoidea cylind</b> rica, <i>Lam.</i> .....	L.Ch. Dover.
<b>Discoidea subu</b> culus, <i>Leske</i> .....	L.Ch. Dover.
<b>Salenia granulo</b> sa, <i>Forbes</i> .....	L.Ch. Dover.
<b>Salenia Austen</b> i, <i>Forbes</i> .....	L.Ch. Dover.
<b>Salenia geomet</b> rica, <i>Ag.</i> (flint cast).	U.Ch. Norfolk.
<b>Diadema tumid</b> am, <i>Forbes</i> .....	L.Ch. Dover.

<i>Cyphosoma Koenigi</i> , <i>Mant.</i> . . . . .	U.Ch. Kent.
<i>Cyphosoma Koenigi</i> , var. <i>granulosum</i> , <i>Goldf.</i> . . . . .	U.Ch. Kent.
<i>Cyphosoma corollare</i> , <i>Forbes</i> . . . . .	U.Ch. Kent.
<i>Cyphosoma spatuliferum</i> , <i>Forbes.</i> . . . . .	U.Ch. Northfleet.
<i>Cyphosoma difficile</i> , <i>Ag.</i> . . . . .	L.Ch. Dover.
<i>Cidaris clavigera</i> , <i>König</i> . . . . .	U.Ch. Kent.
<i>Cidaris sceptrifera</i> , <i>König</i> . . . . .	U.Ch. Kent.
<i>Cidaris vesiculosa</i> , <i>Goldf.</i> . . . . .	U.Ch. Kent.
<i>Cidaris sulcata</i> , <i>Dixon</i> . . . . .	U.Ch. Kent.
<i>Cidaris serrifera</i> , <i>Forbes</i> . . . . .	U.Ch. Kent.
<i>Cidaris perornata</i> , <i>Forbes.</i> . . . . .	U.Ch. Kent.

## ANELLIDA.

<i>Serpula plexus</i> , <i>Sby.</i> . . . . .	U.Ch. Kent.
<i>Serpula antiquata</i> , <i>Sby.</i> . . . . .	L.Ch. Dover.
<i>Vermilia ampullacea</i> , <i>Sby.</i> . . . . .	U.Ch. Gravesend.

## CIRRIPEDA.

<i>Scalpellum maximum</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Pollicipes striatus</i> , <i>Darwin</i> . . . . .	U.Ch. Norwich.
<i>Pollicipes glaber</i> , <i>Ræmer</i> . . . . .	L.Ch. Dover.

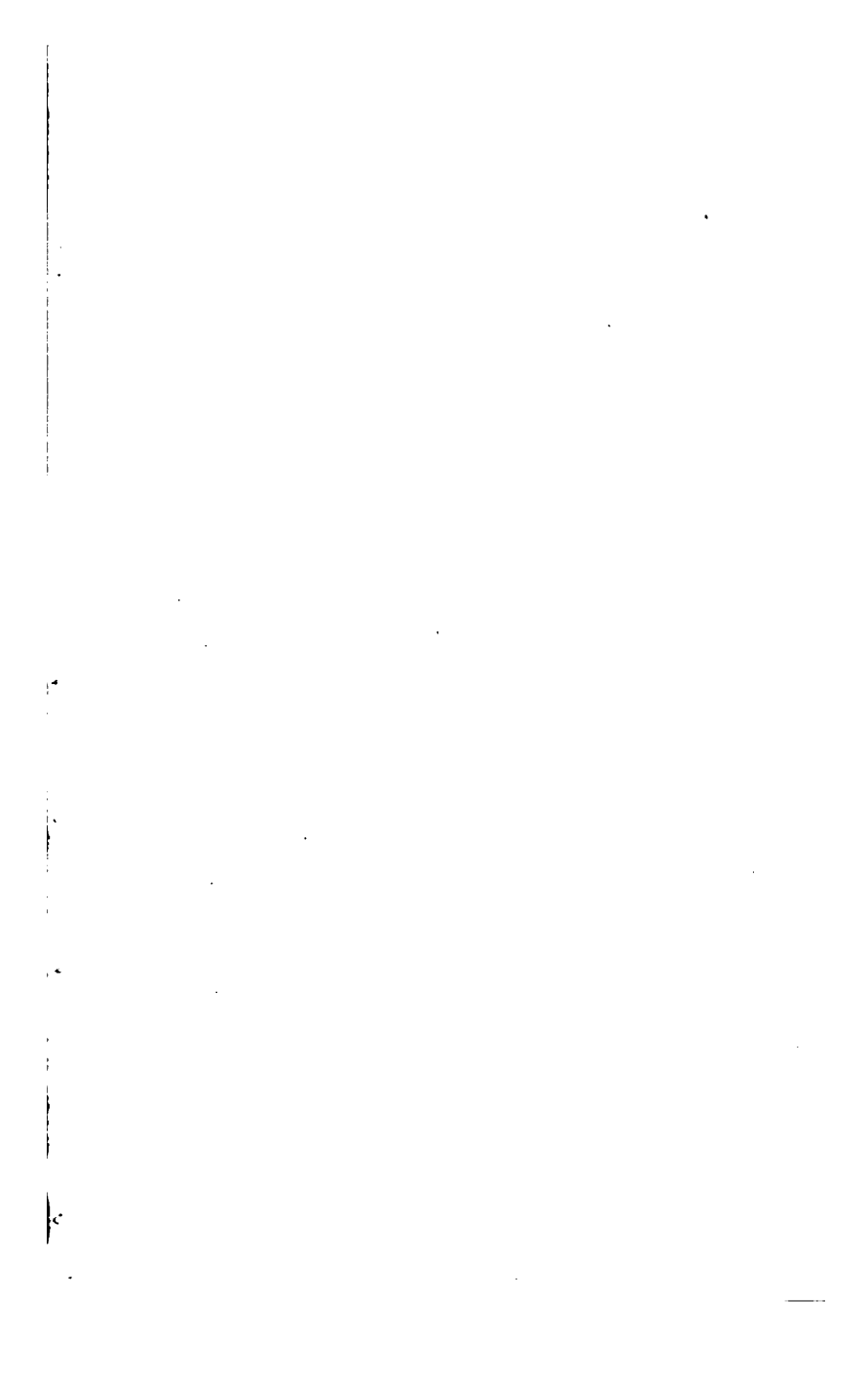
## CRUSTACEA.

<i>Enoploclytia Leachii</i> , <i>Mant.</i> . . . . .	L.Ch. Sussex.
<i>Enoploclytia Sussexiensis</i> , <i>Mant.</i> . . . . .	L.Ch. Sussex.

## CONCHIFERA.

<i>Teredo amphispæna</i> , <i>Goldf.</i> . . . . .	U.Ch. Kent.
<i>Cardium</i> , sp. . . . .	U.Ch. Kent.
<i>Cardita</i> , sp. . . . .	Ch.M. Dover.
<i>Radiolites Mortoni</i> , <i>Mant.</i> . . . . .	L.Ch. Sussex.
<i>Modiola</i> , sp. . . . .	U.Ch. Kent.
<i>Pinna</i> , sp. . . . .	Ch.M. Kent.
<i>Avicula</i> , sp. . . . .	Ch.M. Kent.
<i>Inoceramus Cuvieri</i> , <i>Sby.</i> . . . . .	U.Ch. Kent.
<i>Inoceramus Brongniarti</i> , <i>Sby.</i> . . . . .	U.Ch. Kent.







<i>Inoceramus mytiloides</i> , <i>Mant.</i> . . . .	L.Ch. Kent.
<i>Inoceramus annulatus</i> , <i>Goldf.</i> . . . .	U.Ch. Kent.
<i>Inoceramus striatus</i> , <i>Mant.</i> . . . . .	L.Ch. Kent.
<i>Inoceramus latus</i> , <i>Mant.</i> . . . . .	L.Ch. Kent.
<i>Pecten quinquecostatus</i> , <i>Sby.</i> . . . .	U.Ch. Kent.
<i>Pecten granulosus</i> , <i>Woodw.</i> . . . . .	U.Ch. Norwich.
<i>Pecten nitidus</i> , <i>Mant.</i> . . . . .	U.Ch. Kent.
<i>Pecten concentricus</i> , <i>Woodw.</i> . . . .	U.Ch. Norwich.
<i>Pecten orbicularis</i> , <i>Sby.</i> . . . . .	L.Ch. Dover.
<i>Pecten Beaveri</i> , <i>Sby.</i> . . . . .	Ch.M. Sussex.
<i>Lima Marrotiana</i> , <i>D'Orb.</i> . . . . .	U.Ch. Norwich.
<i>Lima globosa</i> , <i>Sby.</i> . . . . .	Ch.M. Dover.
<i>Lima Hoperi</i> , <i>Sby.</i> . . . . .	L.Ch. Kent.
<i>Spondylus spinosus</i> , <i>Sby.</i> . . . . .	U.Ch. Kent.
<i>Spondylus fimbriatus</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Spondylus obliquus</i> , <i>Mant.</i> . . . . .	U.Ch. Kent.
<i>Plicatula pectinoides</i> , <i>Sby.</i> . . . . .	L.Ch. Kent.
<i>Plicatula inflata</i> , <i>Sby.</i> . . . . .	L.Ch. Kent.
<i>Ostrea frons</i> , <i>Park.</i> . . . . .	Ch.M. Dover.
<i>Ostrea triangularis</i> , <i>Woodw.</i> . . . .	U.Ch. Norwich.
<i>Ostrea larva</i> , <i>Lam.</i> . . . . .	U.Ch. Norwich.
<i>Ostrea inaequicostata</i> , <i>Woodw.</i> . . . .	U.Ch. Norwich.
<i>Ostrea semiplana</i> , <i>Mant.</i> . . . . .	U.Ch. Kent.
<i>Ostrea vesicularis</i> , <i>Lam.</i> . . . . .	U.Ch. Norwich.

## BRACHIOPODA.

<i>Terebratula carnea</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Terebratula carnea</i> (elongata), <i>Sby.</i> . . . .	U.Ch. Norwich.
<i>Terebratula obesa</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Terebratula subundata</i> , <i>Sby.</i> . . . .	U.Ch. Kent.
<i>Terebratula subundata</i> , jun. (sub- rotunda), <i>Sby.</i> . . . . .	U.Ch. Kent.
<i>Terebratula semiglobosa</i> , <i>Sby.</i> . . . .	U.Ch. Kent.
<i>Terebratula semiglobosa</i> , var. <i>Al-</i> <i>bensis</i> , <i>Leym.</i> . . . . .	L.Ch. Kent.
<i>Terebratula squamosa</i> , <i>Mant.</i> . . . .	Ch.M. Dover.
<i>Terebratulina striata</i> , <i>Wahl.</i> . . . .	Ch.M. Dover.

<i>Terebratulina rigida</i> , <i>Sby.</i> . . . . .	Ch.M. W. Norfolk.
<i>Terebratulina gracilis</i> , <i>Schl.</i> . . . . .	L.Ch. Dover.
<i>Terebratella lima</i> , <i>Defr.</i> . . . . .	L.Ch. Dover.
<i>Terebratella lima</i> , var. <i>pentangulata</i> , <i>Woodw.</i> . . . . .	U.Ch. Norwich.
<i>Magas pumila</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Rhynchonella octoplicata</i> , <i>Sby.</i> . . . . .	U.Ch. Norwich.
<i>Rhynchonella Woodwardi</i> , <i>Dav.</i> . . . . .	U.Ch. Norwich.
<i>Rhynchonella subplicata</i> , <i>Mant.</i> . . . . .	U.Ch. Norwich.
<i>Rhynchonella plicatilis</i> , <i>Sby.</i> . . . . .	U.Ch. Kent.
<i>Rhynchonella Cuvieri</i> , <i>D'Orb.</i> . . . . .	L.Ch. Dover.
<i>Rhynchonella Mantelli</i> , <i>Sby.</i> . . . . .	L.Ch. Sussex.
<i>Rhynchonella Martini</i> , <i>Mant.</i> . . . . .	Ch.M. Dover.
<i>Rhynchonella Grasiana</i> , <i>D'Orb.</i> . . . . .	Ch.M. Dover.
<i>Crania Parisiensis</i> , <i>Defr.</i> . . . . .	U.Ch. Kent.
<i>Crania striata</i> , <i>Defr.</i> . . . . .	U.Ch. Kent.

## GASTEROPODA.

<i>Pleurotomaria perspectiva</i> , <i>Sby.</i> . . . . .	L.Ch. Hemel Hempstead.
<i>Trochus</i> , sp. . . . .	U.Ch. Kent.
<i>Turbo</i> , sp. . . . .	Ch.M. Dover.
<i>Solarium</i> ?, sp. . . . .	Ch.M. Dover.

## CEPHALOPODA.

<i>Nautilus lævigatus</i> , <i>D'Orb.</i> . . . . .	Ch.M. Dover.
<i>Nautilus Largillierti</i> , <i>D'Orb.</i> . . . . .	Ch.M. Dover.
<i>Nautilus elegans</i> , <i>Sby.</i> . . . . .	Ch.M. Sussex.
<i>Nautilus Deslongchampsii</i> , <i>D'Orb.</i> . . . . .	Ch.M. Dover.
<i>Nautilus</i> , sp. ( <i>rhyncholite</i> ) . . . . .	Ch.M. Dover.
<i>Ammonites varians</i> , <i>Sby.</i> . . . . .	Ch.M. Dover.
<i>Ammonites Coupei</i> , <i>Brong.</i> . . . . .	Ch.M. Dover.
<i>Ammonites curvatus</i> , <i>Mant.</i> . . . . .	U.Ch. Norwich.
<i>Ammonites Mantelli</i> , <i>Sby.</i> . . . . .	Ch.M. Dover.
<i>Ammonites Woolgari</i> , <i>Mant.</i> . . . . .	Ch.M. Sussex.
<i>Ammonites Rothomagensis</i> , <i>Brong.</i> . . . . .	Ch.M. Sussex.
<i>Ammonites planulatus</i> , <i>Sby.</i> . . . . .	L.Ch. Burnham.
<i>Scaphites æqualis</i> , <i>Sby.</i> . . . . .	Ch.M. Sussex.





<i>Ancyloceras plicatile</i> , <i>Sby.</i> . . . . .	Ch.M. Dover.
<i>Turrilites Scheuchzeri</i> , <i>Bosc</i> . . . . .	Ch.M. Dover.
<i>Turrilites tuberculatus</i> , <i>Bosc</i> . . . . .	Ch.M. Dover.
<i>Belemnitella lanceolata</i> , <i>Schl.</i> . . . . .	U.Ch. Norwich.
<i>Belemnitella mucronata</i> , <i>Schl.</i> . . . . .	U.Ch. Norwich.
<i>Belemnitella plena</i> , <i>Bl.</i> . . . . .	Ch.M. Sussex.

## PISCES.

<i>Ptychodus mamillaris</i> , <i>Ag.</i> . . . . .	L.Ch. Kent.
<i>Ptychodus latissimus</i> , <i>Ag.</i> . . . . .	U.Ch. Purfleet.
<i>Ptychodus polygyrus</i> , <i>Ag.</i> . . . . .	U.Ch. Purfleet.
<i>Ptychodus polygyrus</i> , var. <i>depressus</i> , <i>Dixon</i> . . . . .	L.Ch. Kent.
<i>Ptychodus altior</i> , <i>Ag.</i> . . . . .	L.Ch. Kent.
<i>Ptychodus decurrens</i> , <i>Ag.</i> . . . . .	L.Ch. Kent.
<i>Ptychodus</i> , sp. (fin) . . . . .	L.Ch. Kent.
<i>Otodus appendiculatus</i> , <i>Ag.</i> . . . . .	U.Ch. Kent.
<i>Otodus</i> , sp. (vertebræ) . . . . .	U.Ch. Kent.
<i>Oxyrhina Mantelli</i> , <i>Ag.</i> . . . . .	U.Ch. Kent.
<i>Lamna acuminata</i> , <i>Ag.</i> . . . . .	U.Ch. Kent.
<i>Lamna raphiodon</i> , <i>Ag.</i> . . . . .	U.Ch. Kent.
<i>Notidanus microdon</i> , <i>Ag.</i> . . . . .	U.Ch. Norwich.
<i>Corax pristodontus</i> , <i>Ag.</i> . . . . .	U.Ch. Norwich.
<i>Corax falcatus</i> , <i>Ag.</i> . . . . .	U.Ch. Norwich.
<i>Saurodon Leanus</i> , <i>Hays</i> . . . . .	U.Ch. Norwich.
<i>Saurocephalus lanciformis</i> , <i>Harlan</i> . . . . .	Ch.M. Sussex.
<i>Enchodus halocyon</i> , <i>Ag.</i> . . . . .	U.Ch. Norwich.
<i>Beryx Lewesensis</i> , <i>Mant.</i> . . . . .	U.Ch. Kent.
<i>Beryx radians</i> , <i>Ag.</i> . . . . .	U.Ch. Kent.
<i>Dercetis elongatus</i> , <i>Ag.</i> . . . . .	U.Ch. Gravesend.
<i>Macropoma Mantelli</i> , <i>Ag.</i> . . . . .	L.Ch. Sussex.
<i>Macropoma</i> (coprolites) . . . . .	L.Ch. Sussex.

## REPTILIA.

<i>Ichthyosaurus campylodon</i> , <i>Carter</i> . . . . .	Ch.M. Dover.
<i>Leiodon anceps</i> , <i>Owen</i> . . . . .	U.Ch. Norwich.
<i>Pterodactylus</i> , sp. . . . .	U.Ch. Kent.

## UPPER GREENSAND.

## AMORPHOZOA.

<i>Polypothecia dichotoma</i> , <i>Benett</i> ..	Warminster.
<i>Siphonia pyriformis</i> , <i>Goldf.</i> .....	Blackdown.
<i>Jerea Carteri</i> , <i>Morris</i> .....	Warminster.
<i>Hallirhoa costata</i> , <i>Lamx.</i> .....	Warminster.
<i>Hippalimus fungoides</i> , <i>Lamx.</i> ....	Warminster.
<i>Orbitolina concava</i> , <i>Lam.</i> .....	Warminster.

## ZOOPHYTA.

<i>Micrabacia coronula</i> , <i>Goldf.</i> ....	Warminster.
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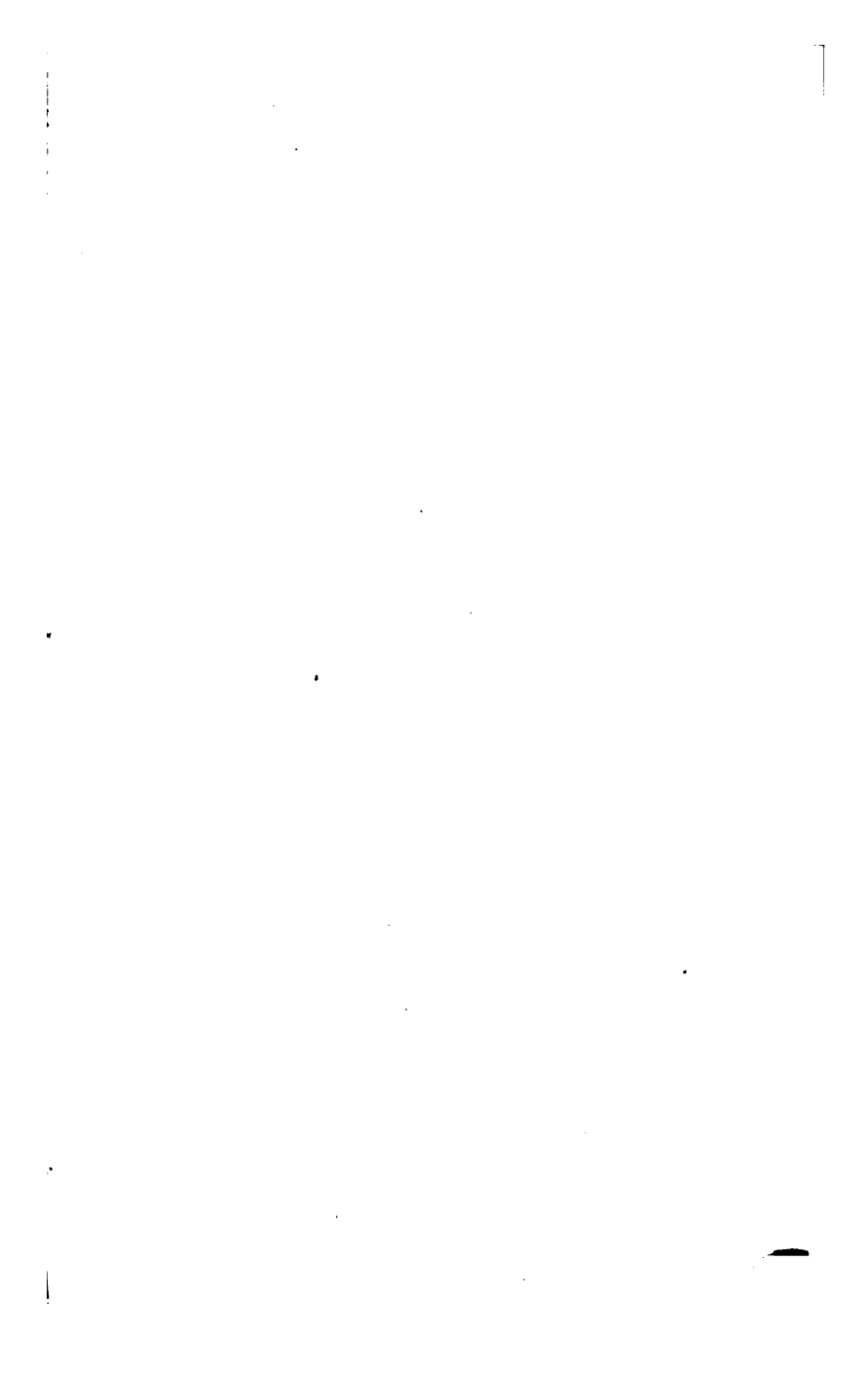
## BRYOZOA.

<i>Heteropora cryptopora</i> , <i>Goldf.</i> .....	Warminster.
<i>Cricopora gracilis</i> , <i>Goldf.</i> .....	Warminster.

## ECHINODERMATA.

<i>Goniaster</i> (ossicula) .....	Warminster.
<i>Pentacrinus Fittoni</i> , <i>Aust.</i> .....	Warminster.
<i>Hemiaster Murchisoniæ</i> , <i>Mant.</i> ..	Alton.
<i>Hemiaster minimus</i> , <i>Ag.</i> .....	Warminster.
<i>Holaster lævis</i> , <i>DeLuc</i> .....	Warminster.
<i>Holaster fossarius</i> , <i>Benett.</i> .....	Warminster.
<i>Catopygus carinatus</i> , <i>Goldf.</i> ....	Warminster.
<i>Galerites castanea</i> , <i>Brong.</i> .....	Warminster.
<i>Discoidea subuculus</i> , <i>Leske</i> .....	Warminster.
<i>Discoidea Favrina</i> , <i>Desor</i> .....	Somerset.
<i>Nucleolites lacunosus</i> , <i>Goldf.</i> ....	Warminster.
<i>Nucleolites cordatus</i> , <i>Goldf.</i> ....	Somerset.
<i>Nucleolites Morrisii</i> , <i>Forbes</i> ....	Blackdown.
<i>Caratomus rostratus</i> , <i>Ag.</i> .....	Warminster.
<i>Echinus Benettiæ</i> , <i>König</i> .....	Warminster.
<i>Glyphocyphus radiatus</i> , <i>Hæningh.</i> ..	Somerset.
<i>Cidaris insignis</i> , <i>Gras</i> .....	Warminster.
<i>Cidaris velifera</i> , <i>Bronn.</i> .....	Warminster.







<i>Diadema Benettia</i> , <i>Forbes</i> . . . . .	Warminster.
<i>Diadema Bonei</i> , <i>Forbes</i> . . . . .	Warminster.
<i>Diadema subnudum</i> , <i>Ag.</i> . . . . .	Somerset.
<i>Cyphosoma difficile</i> , <i>Ag.</i> . . . . .	Warminster.
<i>Salenia petalifera</i> , <i>Desm.</i> . . . . .	Warminster.
<i>Salenia clathrata</i> , <i>Ag.</i> . . . . .	Warminster.
<i>Salenia umbrella</i> , <i>Ag.</i> . . . . .	Warminster.
<i>Salenia lunulata</i> , <i>Ag.</i> . . . . .	Warminster.

## ANELLIDA.

<i>Serpula plexus</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Serpula vermes</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Serpula filiformis</i> , <i>J. Sby.</i> . . . . .	Vale of Wardour.
<i>Serpula antiquata</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Vermicularia radiata</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Vermicularia concava</i> , <i>Sby.</i> . . . . .	Warminster.

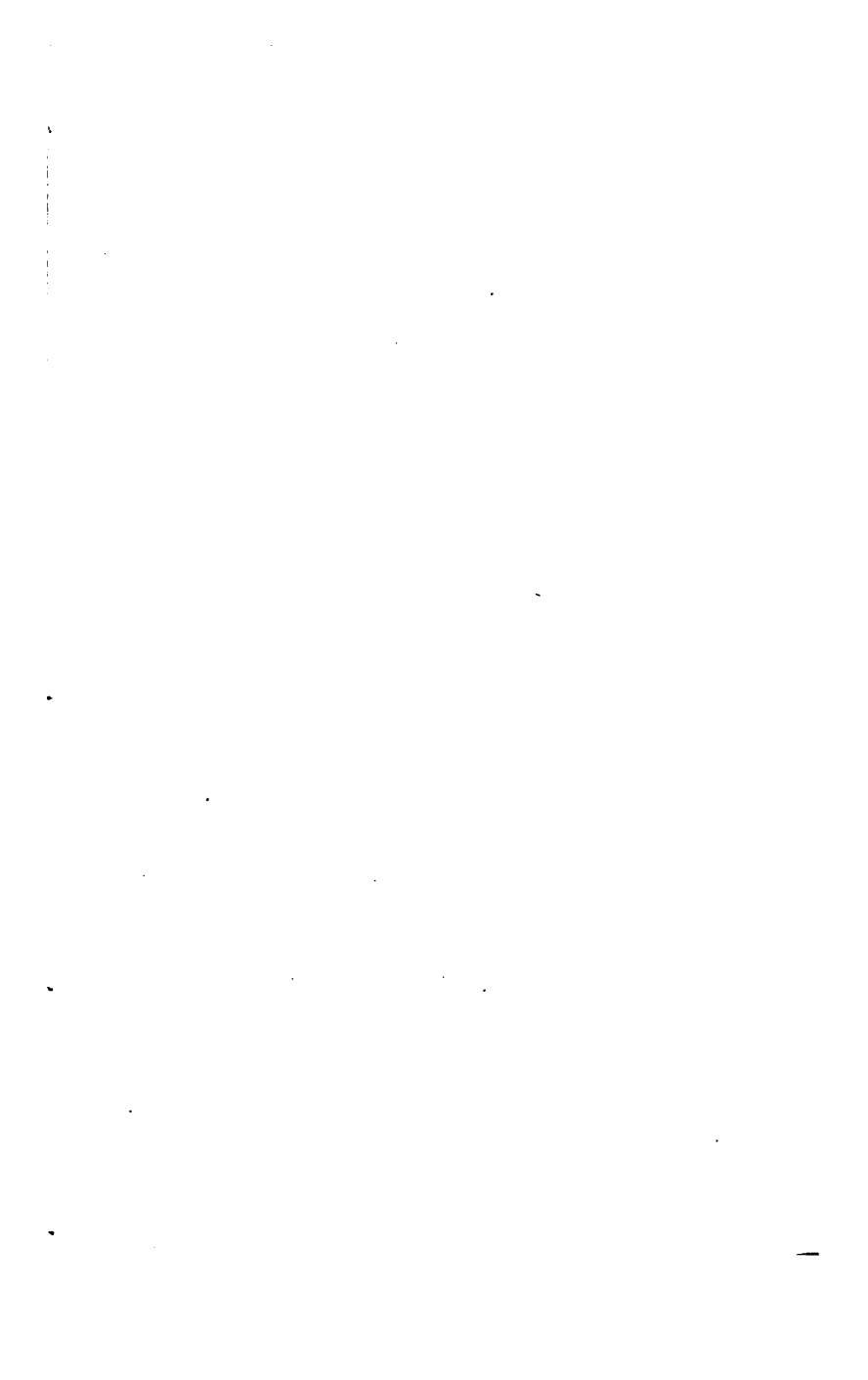
## CRUSTACEA.

<i>Corystes</i> , <i>sp.</i> . . . . .	Blackdown.
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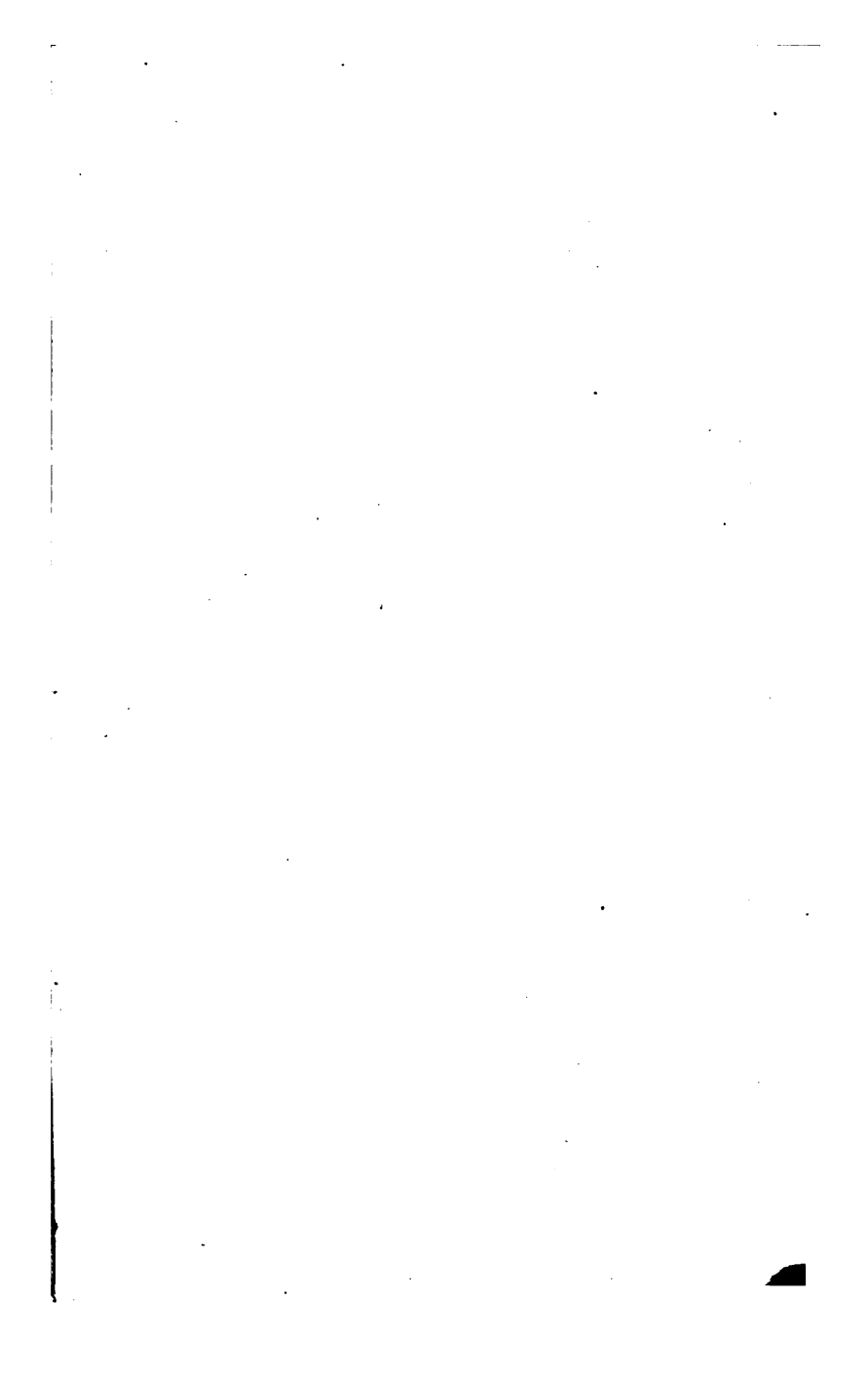
## CONCHIFERA.

<i>Pholas</i> , <i>sp.</i> . . . . .	Blackdown.
<i>Lutraria</i> ? <i>carinifera</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Panopæa læviuscula</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Panopæa mandibula</i> , <i>Sby.</i> . . . . .	Devizes.
<i>Corbula elegans</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Corbula truncata</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Næra pulchra</i> ( <i>Leda</i> ), <i>Sby.</i> . . . . .	Somerset.
<i>Thetis lævigata</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Thetis gigantea</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Psammobia inæqualis</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Psammobia striatula</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Psammobia gracilis</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Psammobia tenuistriata</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Mactra angulata</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Venus faba</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Cytherea caperata</i> , <i>J. Sby.</i> . . . . .	Blackdown.

<i>Cyprina plana</i> , <i>Sby.</i> .....	Blackdown.
<i>Cyprina lineolata</i> , <i>Sby.</i> .....	Blackdown.
<i>Cyprina cuneata</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Crassatella Cornueliana</i> , <i>D' Orb.</i> ..	Blackdown.
<i>Astarte ? formosa</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Astarte concinna</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Cardium Hillanum</i> , <i>Sby.</i> .....	Blackdown.
<i>Cardium proboscideum</i> , <i>Sby.</i> ....	Blackdown.
<i>Lucina orbicularis</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Lucina pisum</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Unicardium Ringmeriense</i> , <i>Mant.</i> ..	Somerset.
<i>Chama inæquirostrata</i> , <i>Woodw.</i> ..	Warminster.
<i>Trigonia caudata</i> , <i>Ag.</i> .....	Blackdown.
<i>Trigonia alæformis</i> , <i>Park.</i> .....	Blackdown.
<i>Trigonia Dædalea</i> , <i>Park.</i> .....	Blackdown.
<i>Trigonia spectabilis</i> , <i>Sby.</i> .....	Blackdown.
<i>Trigonia sinuata</i> , <i>Park.</i> .....	Blackdown.
<i>Cucullæa glabra</i> , <i>Park.</i> .....	Blackdown.
<i>Cucullæa carinata</i> , <i>Sby.</i> .....	Blackdown.
<i>Pectunculus umbonatus</i> , <i>Sby.</i> ....	Blackdown.
<i>Pectunculus umbonatus</i> , var. sub- <i>lævis</i> , <i>Sby.</i> .....	Haldon.
<i>Nucula antiquata</i> , <i>Sby.</i> .....	Blackdown.
<i>Nucula obtusa</i> , <i>Sby.</i> .....	Blackdown.
<i>Nucula impressa</i> , <i>Sby.</i> .....	Blackdown.
<i>Leda lineata</i> , <i>Sby.</i> .....	Blackdown.
<i>Leda angulata</i> , <i>Sby.</i> .....	Blackdown.
<i>Modiola reversa</i> , <i>J. Sby.</i> .....	Blackdown.
<i>Avicula gryphæoides</i> , <i>J. Sby.</i> ....	Somerset.
<i>Inoceramus concentricus</i> , <i>Park.</i> ..	Blackdown.
<i>Inoceramus gryphæoides</i> , <i>Sby.</i> ..	Lyme Regis.
<i>Inoceramus lævigatus</i> , <i>Leym.</i> ....	Warminster.
<i>Ostrea macroptera</i> , <i>Sby.</i> .....	Warminster.
<i>Ostrea canaliculata</i> , <i>Sby.</i> .....	Warminster.
<i>Gryphæa vesiculosa</i> , <i>Sby.</i> .....	Isle of Wight.
<i>Exogyra conica</i> , <i>Sby.</i> .....	Warminster.
<i>Exogyra haliotoidea</i> , <i>Sby.</i> .....	Haldon.











<i>Exogyra undulata</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Pecten quinquecostatus</i> , <i>Sby.</i> . . . .	Blackdown.
<i>Pecten æquicostatus</i> , <i>Lam.</i> . . . . .	Blackdown.
<i>Pecten quadricostatus</i> , <i>Sby.</i> . . . . .	Somersetshire.
<i>Pecten atavus</i> , <i>Ræmer</i> . . . . .	Warminster.
<i>Pecten elongatus</i> , <i>Lam.</i> . . . . .	Warminster.
<i>Pecten asper</i> , <i>Lam.</i> . . . . .	Warminster.
<i>Pecten Milleri</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Pecten orbicularis</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Lima elongata</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Lima composita</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Lima subovalis</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Lima simplex</i> , <i>D'Orb.</i> . . . . .	Warminster.
<i>Lima globosa</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Spondylus striatus</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Plicatula inflata</i> , <i>J. Sby.</i> . . . . .	Warminster.
<i>Plicatula radiola</i> , <i>Lam.</i> . . . . .	Warminster.
<i>Anomia convexa</i> , <i>J. Sby.</i> . . . . .	Warminster.

## BRACHIOPODA.

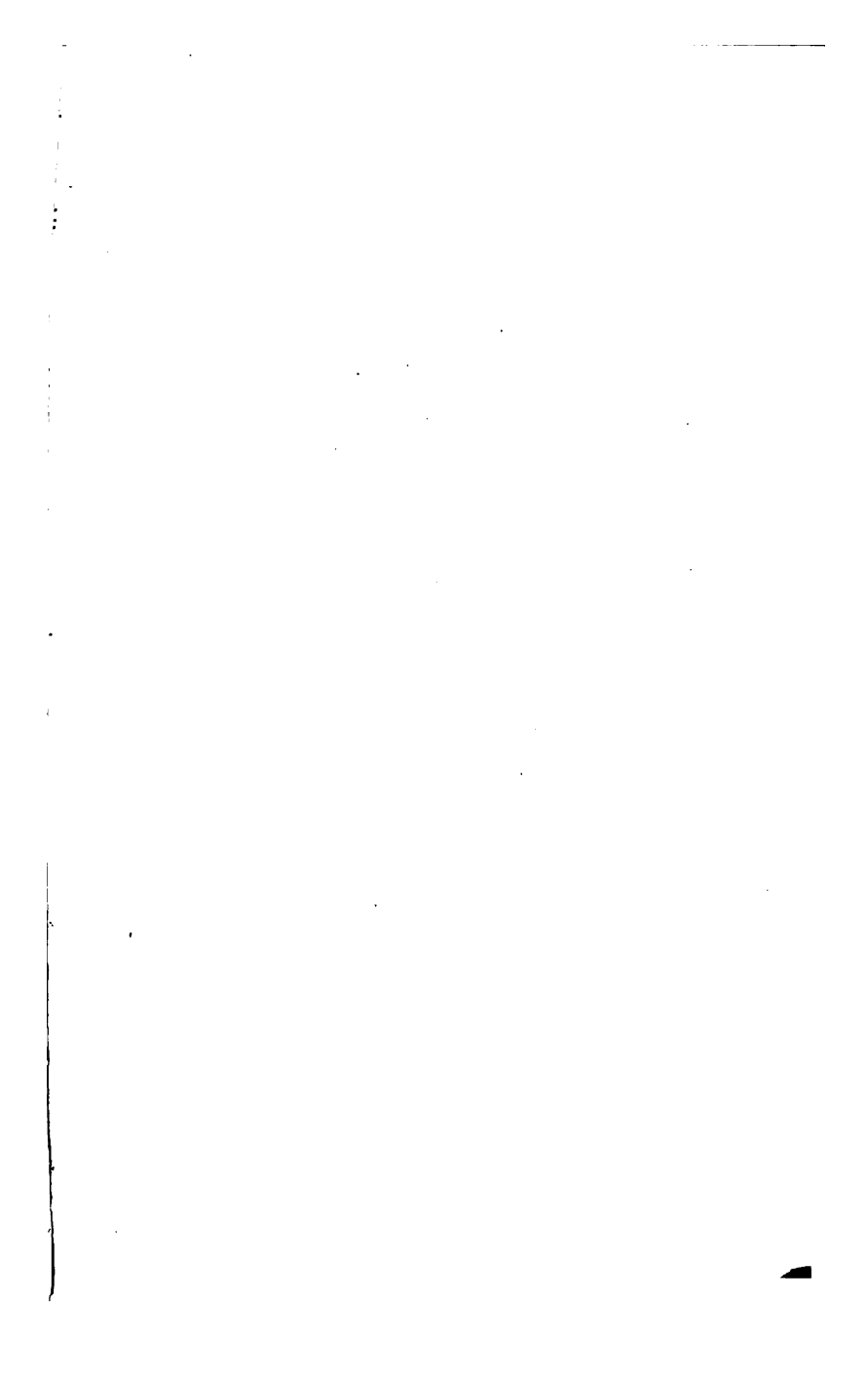
<i>Terebratula biplicata</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Terebratula obesa</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Terebratula lacrymosa</i> , <i>D'Orb.</i> . .	Somerset.
<i>Terebratula squamosa</i> , <i>Mant.</i> . . . .	Warminster.
<i>Terebratula ovata</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Terebratulina striata</i> , <i>Wahl.</i> . . . .	Warminster.
<i>Lyra Meadei</i> , <i>Cumberland.</i> . . . . .	Warminster.
<i>Terebratella pectita</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Terebratella lima</i> , <i>Defr.</i> . . . . .	Warminster.
<i>Rhynchonella nuciformis</i> , <i>Sby.</i> . .	Warminster.
<i>Rhynchonella Martini</i> , <i>Mant.</i> . . . .	Warminster.
<i>Rhynchonella Grasiana</i> , <i>D'Orb.</i> . .	Warminster.
<i>Rhynchonella Mantelli</i> , <i>Sby.</i> . . . .	Warminster.
<i>Rhynchonella compressa</i> , <i>Lam.</i> . .	Warminster.
<i>Rhynchonella compressa</i> , var. <i>dimidiata</i> . . . . .	Warminster.

## GASTEROPODA.

<i>Cinulia affinis</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Cinulia incrassata</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Cinulia Avellana</i> , <i>Brongn.</i> . . . . .	Somerset.
<i>Dentalium medium</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Dentalium cylindricum</i> , <i>Sby.</i> . . . .	Blackdown.
<i>Emarginula pelagica</i> , <i>Passy.</i> . . . .	Somerset.
<i>Pleurotomaria Rhodani</i> , <i>D'Orb.</i> . .	Warminster.
<i>Trochus</i> ( <i>Solarium</i> ), <i>sp.</i> . . . . .	Warminster.
<i>Turbo moniliferus</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Turritella granulata</i> , <i>J. Sby.</i> . . . .	Blackdown.
<i>Cerithium gracile</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Natica Dupinii</i> , <i>Leym.</i> . . . . .	Blackdown.
<i>Natica Gentii</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Natica rotundata</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Natica?</i> <i>conica</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Natica pungens</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Fusus rigidus</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Fusus clathratus</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Fusus quadratus</i> , <i>J. Sby.</i> . . . . .	Blackdown.
<i>Murex calcar</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Rostellaria Parkinsoni</i> , <i>Mant.</i> . . .	Blackdown.
<i>Rostellaria calcarata</i> , <i>Sby.</i> . . . .	Blackdown.

## CEPHALOPODA.

<i>Ammonites varicosus</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Ammonites inflatus</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Ammonites Goodhalli</i> , <i>Sby.</i> . . . . .	Blackdown.
<i>Ammonites varians</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Ammonites Coupei</i> , <i>Brongn.</i> . . . . .	Warminster.
<i>Ammonites curvatus</i> , <i>Mant.</i> . . . .	Warminster.
<i>Ammonites Mantelli</i> , <i>Sby.</i> . . . . .	Warminster.
<i>Ammonites Lyelli</i> , <i>Leym.</i> . . . . .	Warminster.
<i>Hamites</i> , <i>sp.</i> . . . . .	Warminster.
<i>Turrillites costatus</i> , <i>Lam.</i> . . . . .	Somerset.
<i>Scaphites æqualis</i> , <i>Sby.</i> . . . . .	Somerset.
<i>Nautilus Largillierii</i> , <i>D'Orb.</i> . . . .	Lyme Regis.





- Nautilus lævigatus*, *D'Orb.* . . . . Warminster.  
*Belemnites ultimus*, *D'Orb.* . . . . Warminster.

## PISCES.

- Teeth of *Oxyrhina*.  
 Teeth of *Otodus appendiculatus*.  
 Teeth of *Lamna*.  
 Teeth of *Odontaspis*.  
 Teeth of *Corax*.

## GAULT.

## ZOOPHYTA.

- Trochocyathus Koenigi*, *Mant.* . . . . Folkestone.  
*Trochocyathus conulus*, *Phil.* . . . . Cambridge.  
*Trochocyathus Harveyi*, *M.-Edw.* Folkestone.

## ECHINODERMATA.

- Pentacrinus Fittoni*, *Aust.* . . . . Folkestone.  
*Hemiaster Baillyi*, *Forbes.* . . . . Folkestone.

## ANELLIDA.

- Serpula antiquata*, *Sby.* . . . . Folkestone.  
*Serpula articulata*, *Sby.* . . . . Folkestone.  
*Vermicularia umbonata*, *Mant.* . . . Folkestone.

## CIRRIPEDA.

- Pollicipes unguis*, *Sby.* . . . . Folkestone.

## CRUSTACEA.

- Meyeria*, sp. . . . . Folkestone.  
*Corystes Stokesii*, *Mant.* . . . . Folkestone.  
*Corystes Broderipii*, *Mant.* . . . . Folkestone.  
*Corystes Bechei*, *Desl.* . . . . Folkestone.  
*Etyus Martini*, *Mant.* . . . . Folkestone.

## CONCHIFERA.

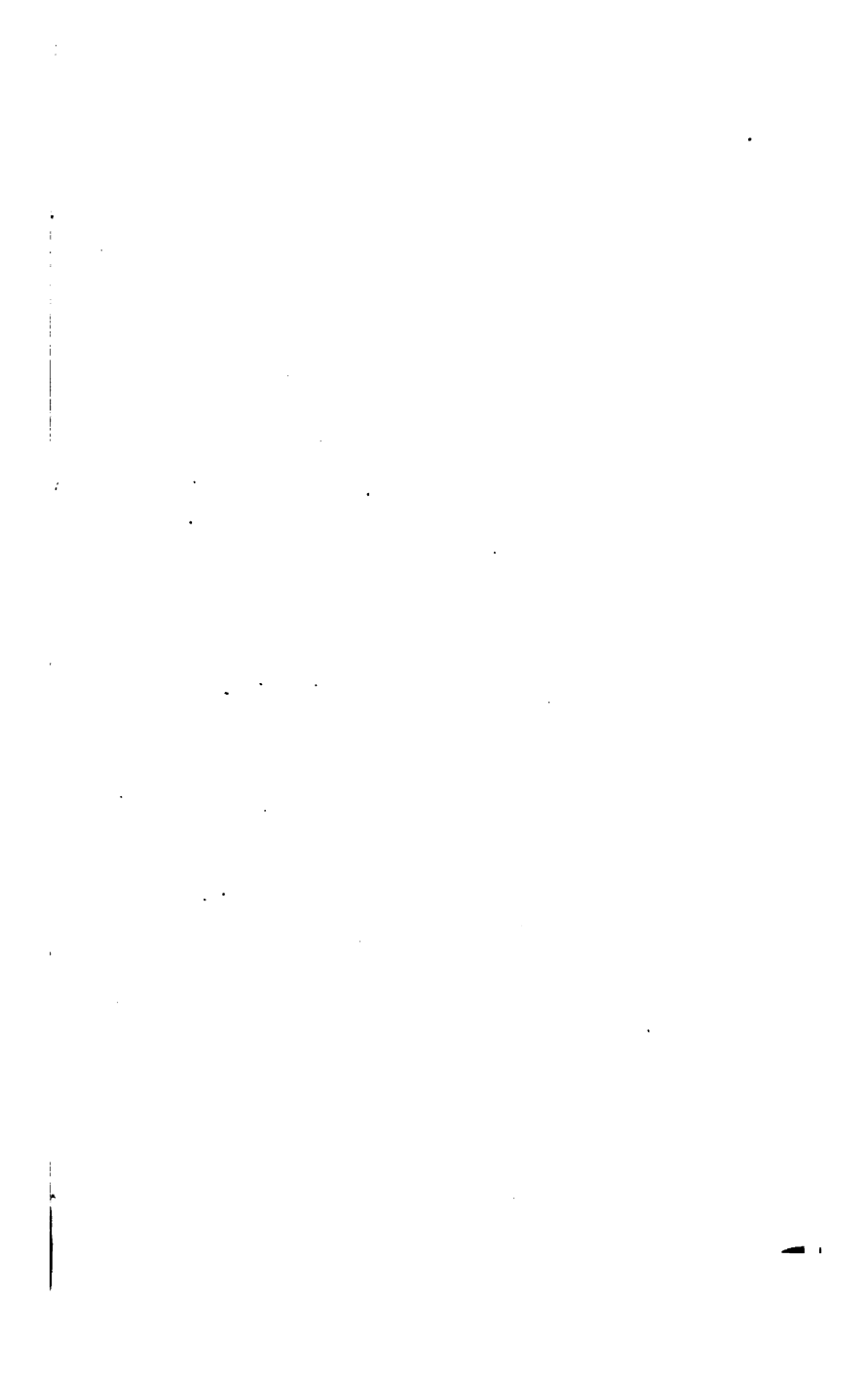
<i>Cardita tenuicosta</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Venus tenera</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Nucula pectinata</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Nucula bivirgata</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Nucula ovata</i> , <i>Mant.</i> . . . . .	Folkestone.
<i>Pinna tetragona</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Avicula Coquandi</i> , <i>D'Orb.</i> . . . . .	Cambridge.
<i>Inoceramus concentricus</i> , <i>Park.</i> . . . . .	Folkestone.
<i>Inoceramus sulcatus</i> , <i>Park.</i> . . . . .	Folkestone.
<i>Perna Rauliniana</i> , <i>D'Orb.</i> . . . . .	Cambridge.
<i>Ostrea macroptera</i> , <i>Sby.</i> . . . . .	Cambridge.
<i>Ostrea vesicularis</i> , <i>Lam.</i> . . . . .	Cambridge.
<i>Ostrea canaliculata</i> , <i>Sby.</i> . . . . .	Cambridge.
<i>Plicatula inflata</i> , <i>Sby.</i> . . . . .	Cambridge.
<i>Plicatula pectinoides</i> , <i>Sby.</i> . . . . .	Cambridge.

## BRACHIOPODA.

<i>Terebratula obtusa</i> , <i>Sby.</i> . . . . .	Cambridge; Hunstanton.
<i>Terebratulina striata</i> , <i>Wahl.</i> . . . .	Maidstone.
<i>Rhynchonella sulcata</i> , <i>Park.</i> . . . .	Cambridge.
<i>Rhynchonella Carteri</i> , <i>Dav.</i> . . . .	Cambridge.

## GASTEROPODA.

<i>Tornatella Vibrayeana</i> , <i>D'Orb.</i> . .	Folkestone.
<i>Cinulia affinis</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Dentalium ellipticum</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Dentalium decussatum</i> , <i>Sby.</i> . . . .	Folkestone.
<i>Trochus ornatus</i> ( <i>Solarium</i> ), <i>J. Sby.</i>	Folkestone.
<i>Trochus conoideus</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Pleurotomaria Gibbsii</i> , <i>Sby.</i> . . . .	Cambridge.
<i>Cerithium trimonile</i> , <i>Mich.</i> . . . .	Folkestone.
<i>Scalaria Gaultina</i> , <i>D'Orb.</i> . . . . .	Folkestone.
<i>Pyrula Smithii</i> , <i>J. Sby.</i> . . . . .	Folkestone.
<i>Natica Gentii</i> , <i>Sby.</i> ( <i>Gaultina</i> , <i>D'Orb.</i> ) . . . . .	Folkestone.
<i>Pterocera?</i> <i>retusa</i> , <i>J. Sby.</i> . . . . .	Folkestone.







<i>Rostellaria carinata</i> , <i>Mant.</i> . . . . .	Folkestone.
<i>Rostellaria Orbignii</i> , <i>P. &amp; R.</i> . . . .	Folkestone.
<i>Bellerophina minuta</i> , <i>Sby.</i> . . . . .	Folkestone.

# CEPHALOPODA.

<i>Ammonites varicosus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites denarius</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites serratus</i> , <i>Park.</i> . . . . .	Cambridge.
<i>Ammonites Beudanti</i> , <i>Brong.</i> . . . .	Folkestone.
<i>Ammonites splendens</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites lautus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites lautus</i> , var. <i>tuberculatus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites lautus</i> , var. <i>proboscideus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ammonites auritus</i> , <i>Sby.</i> . . . . .	Folkestone; Cambridge.
<i>Ammonites cristatus</i> , <i>DeLuc</i> . . . .	Folkestone.
<i>Ammonites Bouchardi</i> , <i>D'Orb.</i> . .	Folkestone.
<i>Scaphites Hugardi</i> , <i>D'Orb.</i> . . . . .	Folkestone.
<i>Turrilites elegans</i> , <i>D'Orb.</i> . . . . .	Folkestone.
<i>Helicoceras rotundum</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Hamites intermedius</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Hamites attenuatus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Hamites maximus</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Ancyloceras spinigerum</i> , <i>Sby.</i> . . . .	Folkestone.
<i>Nautilus inæqualis</i> , <i>Sby.</i> . . . . .	Folkestone.
<i>Belemnites minimus</i> , <i>Lister</i> . . . . .	Folkestone.
<i>Belemnites attenuatus</i> , <i>Sby.</i> . . . .	Folkestone.

# LOWER GREENSAND.

## PLANTÆ.

<i>Chondrites fastigiatus</i> , <i>Sternb.</i> . . . .	Maidstone.
<i>Dracæna Benstedii</i> , <i>König</i> . . . . .	Maidstone.

**AMORPHOZOA.**

<i>Siphonia</i> ?	Maidstone.
<i>Scyphia infundibuliformis</i> , <i>Goldf.</i>	Farringdon.
<i>Scyphia foraminosa</i> , <i>Goldf.</i>	Farringdon.
<i>Scyphia furcata</i> , <i>Goldf.</i>	Farringdon.
<i>Manon peziza</i> , <i>Goldf.</i>	Farringdon.
<i>Chenendopora fungiformis</i> , <i>Lamx.</i>	Farringdon.
<i>Verticillites anastomosans</i> , <i>Mant.</i>	Farringdon.

**ZOOPHYTA.**

<i>Holocystis elegans</i> , <i>Lonsd.</i>	Isle of Wight.
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**BRYOZOA.**

<i>Entalophora ramosissima</i> , <i>D'Orb.</i>	Farringdon.
<i>Ceriopora ramulosa</i> , <i>Mich.</i>	Farringdon.
<i>Heteropora cryptopora</i> , <i>Goldf.</i>	Farringdon.
<i>Semitubigera lamellosa</i> , <i>D'Orb.</i>	Farringdon.

**ECHINODERMATA.**

<i>Hemipneustes Fittoni</i> , <i>Forbes</i>	Shanklin.
<i>Cardiaster Benstedii</i> , <i>Forbes</i>	Maidstone.
<i>Salenia punctata</i> , <i>Desor</i>	Farringdon.
<i>Cidaris</i> , sp.	Farringdon.

**ANNELIDA.**

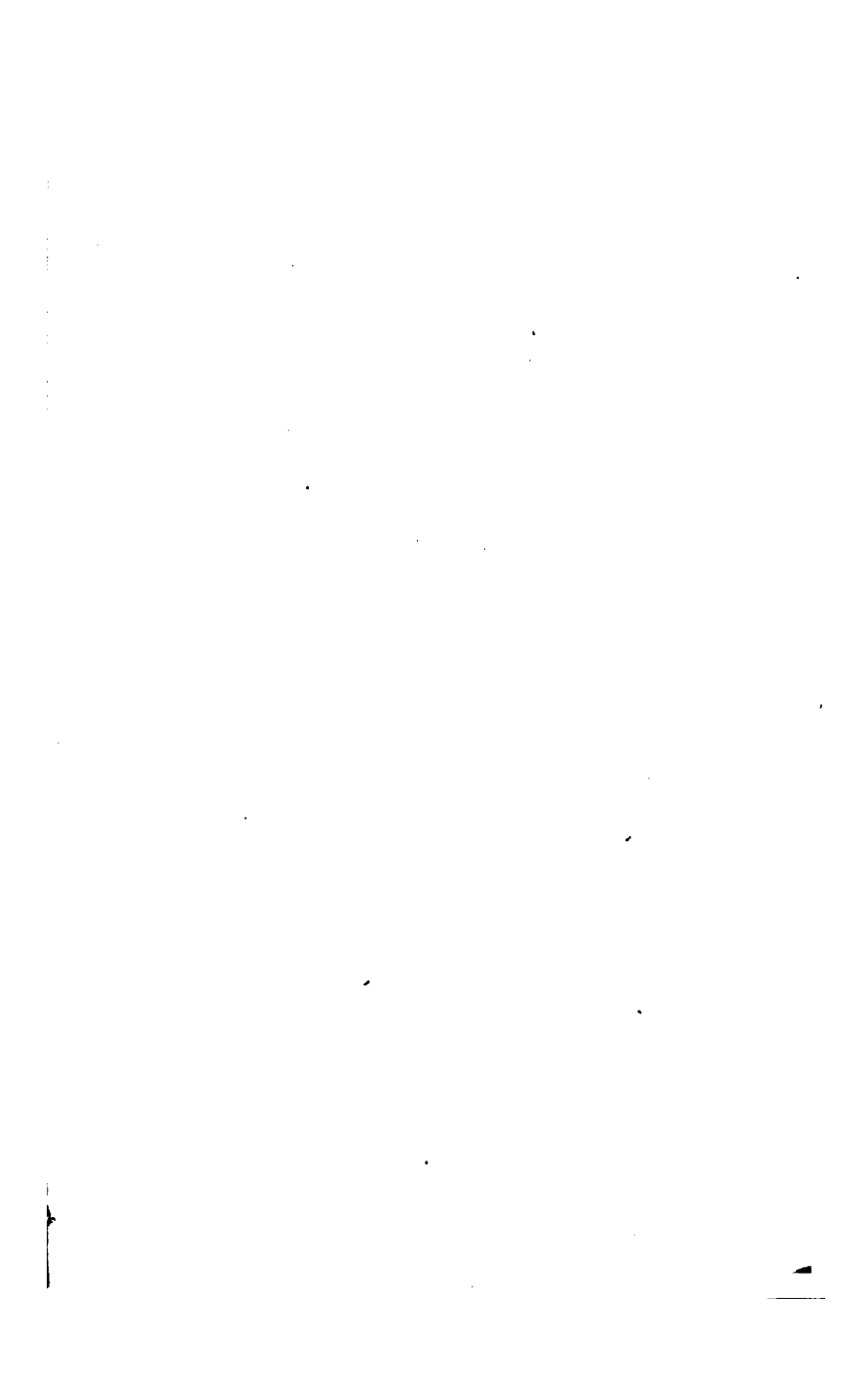
<i>Serpula articulata</i> , <i>Sby.</i>	Hythe.
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**CRUSTACEA.**

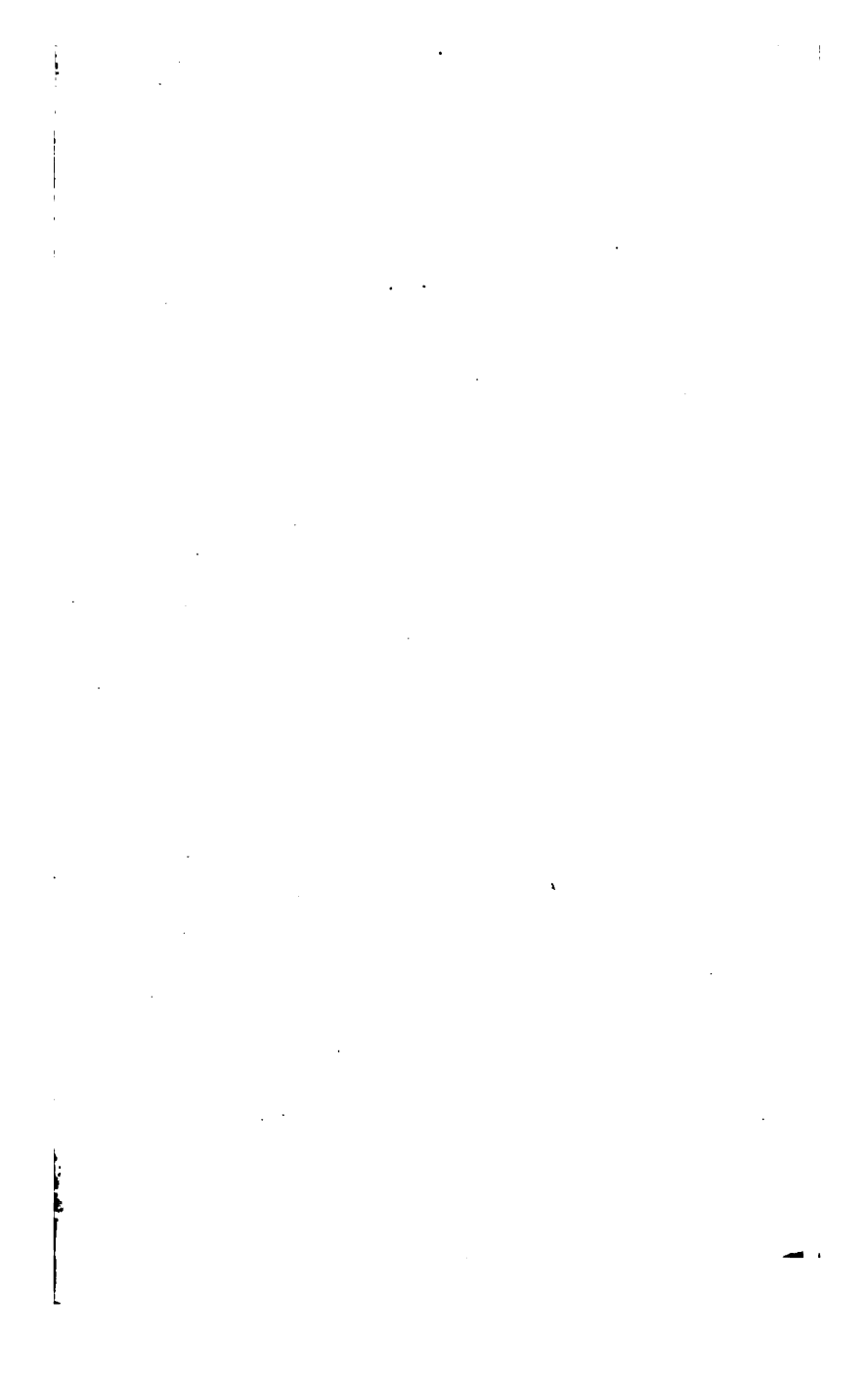
<i>Meyeria Vectensis</i> , <i>Bell</i>	Atherfield.
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**CONCHIFERA.**

<i>Pholas prisca</i> , <i>Sby.</i>	Hythe ; Maidstone.
<i>Pholadomya gigantea</i> , <i>J. Sby.</i>	Hythe.
<i>Solecurtus Warburtoni</i> , <i>Forbes</i>	Shanklin, Isle of Wight.
<i>Panopæa elongata</i> , <i>Ram.</i>	Shanklin.
<i>Panopæa plicata</i> , <i>Sby.</i>	Shanklin.









<i>Thetis minor</i> , <i>Sby.</i> .....	Atherfield ; Shanklin.
<i>Venus fenestrata</i> , <i>Forbes</i> .....	Hythe.
<i>Cyprina angulata</i> , <i>Flem.</i> .....	Hythe.
<i>Cardium Ibbetsoni</i> , <i>Forbes</i> .....	Atherfield.
<i>Sphæra corrugata</i> , <i>Sby.</i> .....	Sandown Bay.
<i>Diceras</i> ( <i>Requienia</i> ) <i>Lonsdalii</i> , <i>J. Sby.</i> .....	Bowood.
<i>Leda scapha</i> , <i>D'Orb.</i> .....	Isle of Wight.
<i>Trigonia spinosa</i> , <i>Park.</i> .....	Sandgate ; Maidstone.
<i>Trigonia alæformis</i> , <i>Park.</i> .....	Hythe ; Shanklin.
<i>Trigonia caudata</i> , <i>Ag.</i> .....	Sandown.
<i>Trigonia carinata</i> , <i>Ag.</i> .....	Hythe.
<i>Arca Raulini</i> , <i>Leym.</i> .....	Sandgate.
<i>Modiola bella</i> , <i>J. Sby.</i> .....	Hythe.
<i>Avicula pectinata</i> , <i>J. Sby.</i> .....	Shanklin.
<i>Gervillia alæformis</i> , <i>Sby.</i> .....	Hythe.
<i>Gervillia anceps</i> , <i>Desh.</i> .....	Atherfield.
<i>Gervillia linguloides</i> , <i>Forbes</i> ....	Atherfield.
<i>Ostrea macroptera</i> , <i>Sby.</i> .....	Sandgate ; Farringdon.
<i>Exogyra sinuata</i> , <i>Sby.</i> .....	Maidstone.
<i>Pecten interstriatus</i> , <i>Leym.</i> .....	Isle of Wight.
<i>Lima elongata</i> , <i>Sby.</i> .....	Maidstone.
<i>Hinnites Leymeriei</i> , <i>Desh.</i> .....	Atherfield.
<i>Plicatula placunea</i> , <i>Lam.</i> .....	Maidstone.

#### BRACHIOPODA.

<i>Terebratula sella</i> , <i>Sby.</i> .....	Maidstone ; Hythe.
<i>Terebratula Roëmeri</i> , <i>D'Arch.</i> ....	Farringdon.
<i>Terebratula Tamarindus</i> , <i>J. Sby.</i> ..	Sandgate.
<i>Terebratula oblonga</i> , <i>Sby.</i> .....	Maidstone.
<i>Terebratella Menardi</i> , <i>Lam.</i> ....	Farringdon.
<i>Rhynchonella nuciformis</i> , <i>Sby.</i> ..	Farringdon.
<i>Rhynchonella depressa</i> , <i>Sby.</i> ....	Farringdon.
<i>Rhynchonella latissima</i> , <i>Sby.</i> ....	Farringdon.
<i>Rhynchonella Gibbsi</i> , <i>Sby.</i> .....	Maidstone.

## GASTEROPODA.

<i>Trochus</i> , sp. ....	Sandgate.
<i>Natica lævigata</i> , <i>D'Orb.</i> ....	Shanklin.
<i>Rostellaria Fittoni</i> , <i>Forbes</i> ....	Shanklin.

## CEPHALOPODA.

<i>Ammonites Hambrovii</i> , <i>Forbes</i> ..	Isle of Wight.
<i>Ammonites concinnus</i> , <i>Phil.</i> ....	Speeton.
<i>Ammonites Deshayesii</i> , <i>Leym.</i> ....	Maidstone.
<i>Nautilus</i> , sp. ....	Sandgate.

## PISCES.

<i>Chimæra</i> , sp. ....	Maidstone.
<i>Lamna</i> , sp. ....	Sandgate.

## WEALDEN.

## FILICES.

<i>Equisetites Lyelli</i> , <i>Mant.</i> ....	Sussex.
<i>Sphenopteris Mantelli</i> , <i>Brongn.</i> ..	Sussex.
<i>Endogenites erosa</i> , <i>Mant.</i> ....	Sussex.

## ENTOMOSTRACA.

<i>Cypridea Valdensis</i> , <i>J. Sby.</i> ....	Lewes ; Maidstone.
<i>Cypridea tuberculata</i> , <i>J. Sby.</i> ....	Wateringbury.

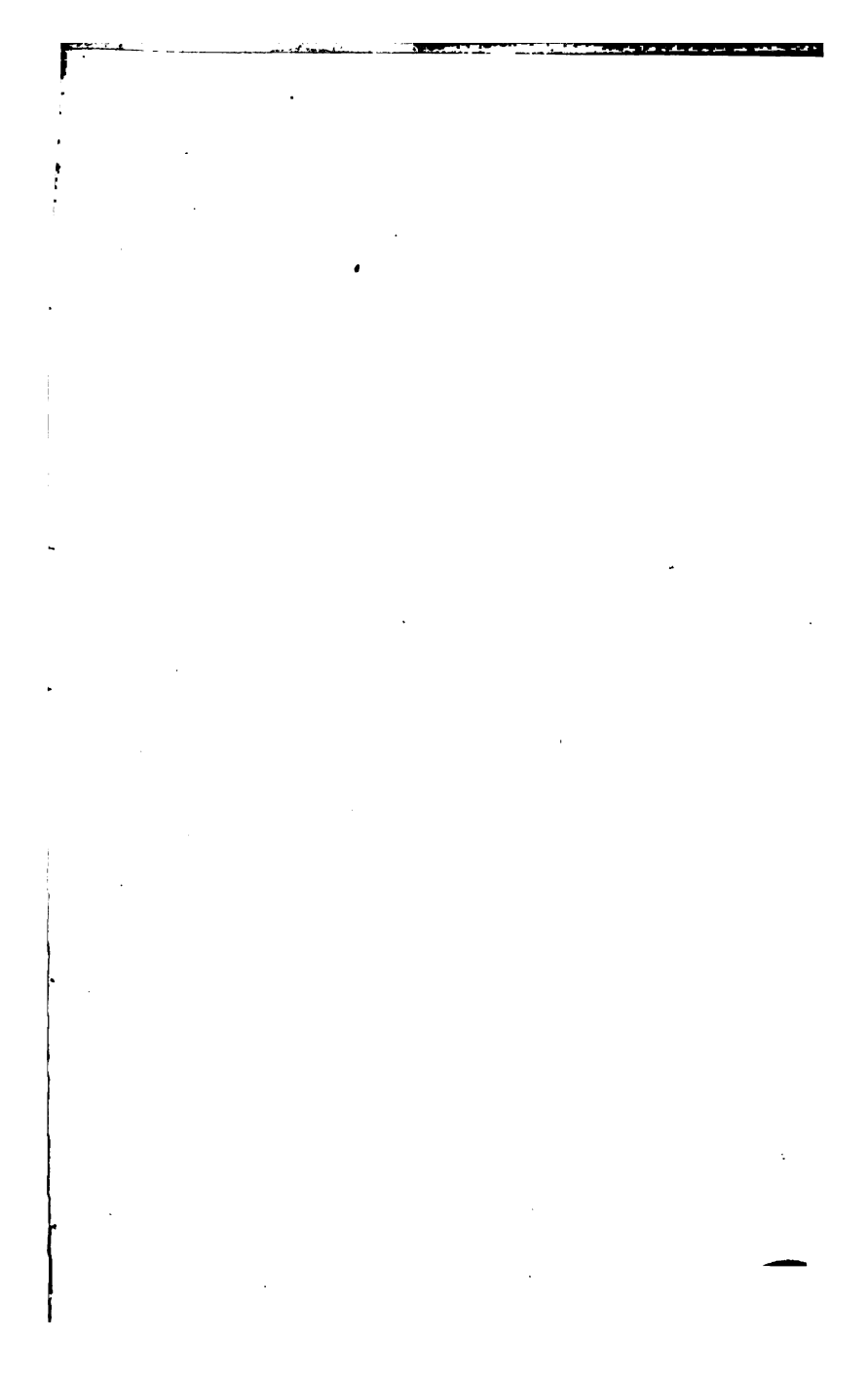
## CONCHIFERA.

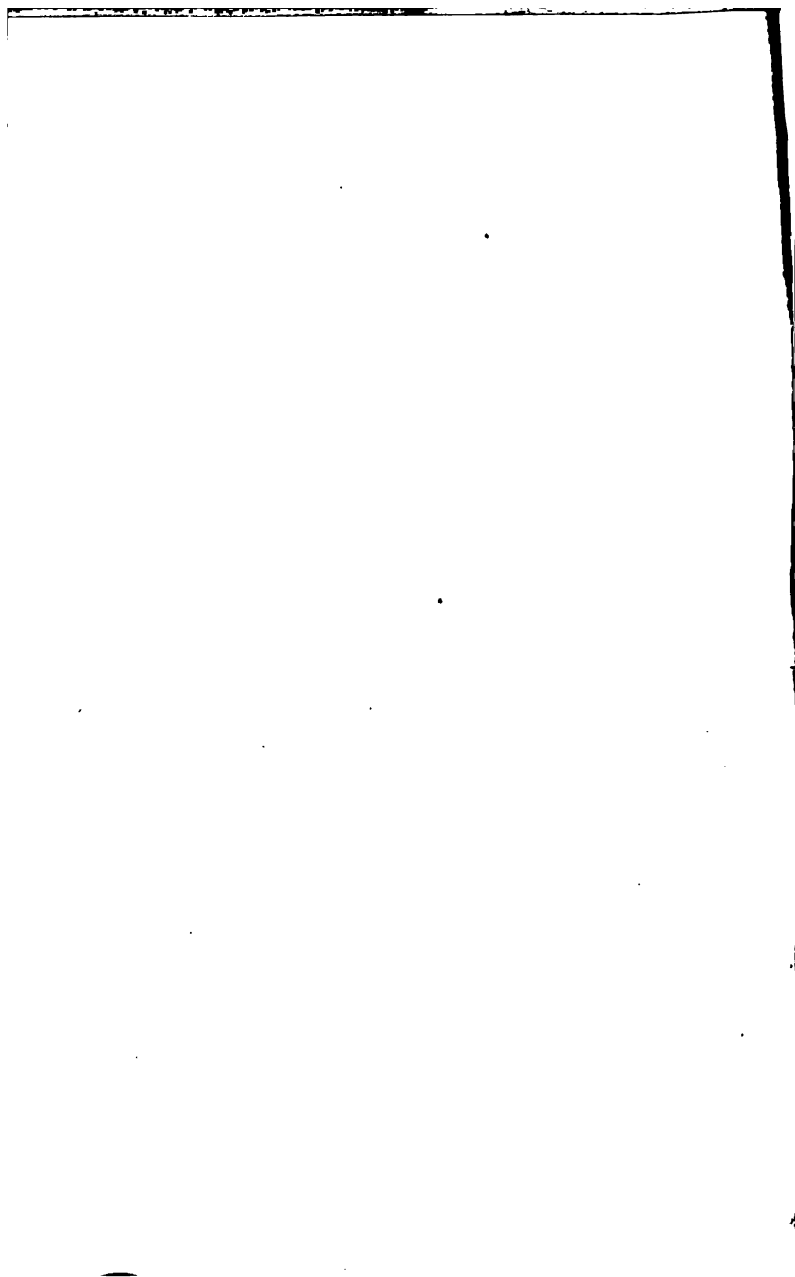
<i>Cyrena media</i> , <i>Sby.</i> ....	Tunbridge.
<i>Unio Gualteri</i> , <i>J. Sby.</i> ....	Tunbridge.
<i>Unio Valdensis</i> , <i>Mantell</i> ....	Brook Point, I. of Wight.
<i>Unio porrectus</i> , <i>Sby.</i> ....	Tilgate.

## GASTEROPODA.

<i>Paludina fluviatorum</i> , <i>Sby.</i> ....	Yalding.
<i>Paludina elongata</i> , <i>Sby.</i> ....	Wateringbury.







PISCES.

<b>Lepidotus Mantelli, Ag.</b> .....	Sussex.
<b>Microdon radiatus, Ag.</b> .....	Purbeck.
<b>Aspidorhynchus Fisheri, Egerton.</b> ..	Purbeck.

REPTILIA.

<b>Iguanodon Mantelli, Meyer</b> .....	Tilgate.
<b>Goniopholis crassidens, Owen</b> ....	Swanage.

OOLITIC GROUP.

Upper,	{	Portland Stone .....	P.St.
		Kimmeridge Clay .....	Kim.Cl.
Middle,	{	Coral Rag .....	Cor.
		Calcareous Grit .....	Calc.G.
		Oxford Clay .....	Oxf.Cl.
		Kelloway Rock .....	Kel.R.
Lower Oolite.	{	Cornbrash .....	Cb.
		Forest Marble .....	F.M.
		Bradford Clay .....	Br.Cl.
		Great Oolite; Oolitic Shale ..	G.O.; O.Sh.
		Fuller's Earth .....	F.E.
	{	Inferior Oolite .....	Inf.O.
(Lias.)			

PLANTÆ.

<b>Thuytes articulatus, Sternb.</b> ....	G.O. Stonesfield.
<b>Zamites pectinoides, Ph.</b> .....	O.Sh. Yorkshire.
<b>Zamites lanceolatus, Ph.</b> .....	O.Sh. Yorkshire.
<b>Pterophyllum comptum, Ph.</b> ....	O.Sh. Yorkshire.
<b>Carpolithes conicus, Lindl.</b> .....	Cor. Malton.
<b>Tæniopteris vittata, Brongn.</b> ....	O.Sh. Yorkshire.
<b>Tæniopteris major, Lindl.</b> .....	O.Sh. Yorkshire.
<b>Pecopteris, sp.</b> .....	O.Sh. Yorkshire.
<b>Sphenopteris, sp.</b> .....	O.Sh. Yorkshire.
<b>Neuropteris recentior, Ch.</b> .....	O.Sh. Yorkshire.

- Sagenopteris Phillipsii*, *Sternb.* .. O.Sh. Gristhorpe.  
*Walchia Williamsonis*, *Brongn.* .. O.Sh. Gristhorpe.

## AMORPHOZOA.

- Scyphia pistilliformis*, *Lamx.* .... G.O. Bath.  
*Spongia floriceps*, *Phil.* ..... Cor. Yorkshire.

## ZOOPHYTA.

- Isastrea oblonga*, *Flem.* ..... P.St. Tisbury.  
*Isastrea explanata*, *Goldf.* ..... Cor. Steeple Ashton.  
*Isastrea Waltoni*, *M.-Edw.* ..... G.O. Ancliff.  
*Thamnastrea arachnoides*, *Park.* .. Cor. Steeple Ashton.  
*Thamnastrea concinna*, *Goldf.* .. Cor. Steeple Ashton.  
*Comoseris irradians*, *M.-Edw.* .... Cor. Steeple Ashton.  
*Stylina Delabechei*, *M.-Edw.* .... Cor. Steeple Ashton.  
*Stylina conifera*, *M.-Edw.* ..... G.O. Ancliff.  
*Thecosmilia annularis*, *Flem.* .... Cor. Steeple Ashton.  
*Cladophyllia Conybearei*, *M.-Edw.* Cor. Steeple Ashton.  
*Montlivaltia dispar*, *Phil.* ..... Inf.O. Bridport.  
*Montlivaltia lens*, *M.-Edw.* ..... Inf.O. Gloucestershire.  
*Montlivaltia Smithii*, *M.-Edw.* .. G.O. Bath.  
*Anabacia orbulites*, *Lamx.* ..... Cb.—Br.Cl. Wilts.  
*Eunomia radiata*, *Lamx.* ..... G.O. Bath.

## BRYOZOA.

- Heteropora dumetosa*, *Lam.* ..... G.O. Bath.  
*Cricopora cæspitosa*, *Lamx.* ..... Br.Cl. Bradford.  
*Diastopora diluviana*, *Lamx.* .... Br.Cl. Bradford.  
*Terebellaria ramosissima*, *Lamx.* .. Br.Cl. Bradford.

## ECHINODERMATA.

- Apiocrinus Parkinsoni*, *Schl.* .... Br.Cl. Bradford.  
*Apiocrinus Prattii*, *Gray* ..... G.O. Bath.  
*Pentacrinus Milleri*, *Aust.* ..... G.O. Bath.  
*Cidaris florigemma*, *Phil.* ..... Cor. Calne.  
*Hemicidaris intermedia*, *Flem.* .. Cor. Calne.  
*Acrosalenia spinosa*, *Ag.* ..... Cb. Chippenham.  
*Acrosalenia hemichidaroides*, *Wr.* .. Cb. Chippenham.





<i>Acrosalenia decorata</i> , <i>Haime</i> . . . .	Cor. Steeple Ashton.
<i>Acrosalenia Lycetti</i> , <i>Wr.</i> . . . . .	Inf.O. Cheltenham.
<i>Diadema versipora</i> , <i>Woodw.</i> . . . .	Cor. Calne.
<i>Diadema homostigma</i> , <i>Ag.</i> . . . .	Br.Cl. Wilts.
<i>Diadema mamillatum</i> , <i>Ramer</i> . . . .	Cor. Weymouth.
<i>Diadema depressum</i> , <i>Ag.</i> . . . . .	Inf.O. Cheltenham.
<i>Echinopsis rotata</i> , <i>Ag.</i> . . . . .	Inf.O. Cheltenham.
<i>Echinus biangularis</i> , <i>Lam.</i> . . . .	Inf.O. Cheltenham.
<i>Polycyphus Forbesii</i> , <i>Wr.</i> . . . .	Inf.O. Dundry.
<i>Clypeus sinuatus</i> , <i>Leske</i> . . . . .	Inf.O. Cheltenham.
<i>Clypeus altus</i> , <i>M'Coy</i> . . . . .	Inf.O. Bridport.
<i>Clypeus orbicularis</i> , <i>Phil.</i> . . . .	Cb. Chippenham.
<i>Clypeus Woodwardi</i> , <i>Wr.</i> . . . . .	G.O. Cirencester.
<i>Clypeus clunicularis</i> , <i>Llh.</i> . . . .	Cb.—Inf.O. Wilts; Glo'ster.
<i>Clypeus scutatus</i> , <i>Gmel.</i> . . . . .	Cor. Malton.
<i>Pygurus pentagonalis</i> , <i>Phil.</i> . . . .	Cor. Malton.
<i>Disaster ringens</i> , <i>Ag.</i> . . . . .	Inf.O. Yeovil.
<i>Pygaster semisulcatus</i> , <i>Phil.</i> . . . .	Inf.O. Stroud.
<i>Hyboclypus agariciformis</i> , <i>Forbes.</i>	Inf.O. Cheltenham.
<i>Holactypus depressus</i> , <i>Lam.</i> . . . .	Inf.O. Stroud.
<i>Holactypus hemisphæricus</i> , <i>Des.</i> . .	Inf.O. Bridport.

## ANELLIDA.

<i>Serpula tricarinata</i> , <i>Sby.</i> . . . . .	Kim.Cl. Weymouth.
<i>Serpula deplexa</i> , <i>Bean</i> . . . . .	Inf.O. Whitby.
<i>Serpula vertebralis</i> , <i>Sby.</i> . . . . .	Oxf.Cl. Chippenham.
<i>Serpula tetragona</i> , <i>Sby.</i> . . . . .	Br.Cl. Bradford.
<i>Serpula triangulata</i> , <i>Sby.</i> . . . . .	Br.Cl. Bradford.
<i>Vermilia sulcata</i> , <i>Sby.</i> . . . . .	Oxf.Cl. Weymouth.

## CIRRIPEDA.

<i>Pollicipes ooliticus</i> , <i>Buckm.</i> . . . .	G.O. Eyeford.
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## CRUSTACEA.

<i>Glyphea rostrata</i> , <i>Phil.</i> . . . . .	Cor. Malton.
<i>Mecocheirus Pearcei</i> , <i>M'Coy</i> . . . .	Oxf.Cl. Chippenham.

## INSECTA.

*Prionus Bucklandi*, *Mant.* ..... G.O. Stonesfield.

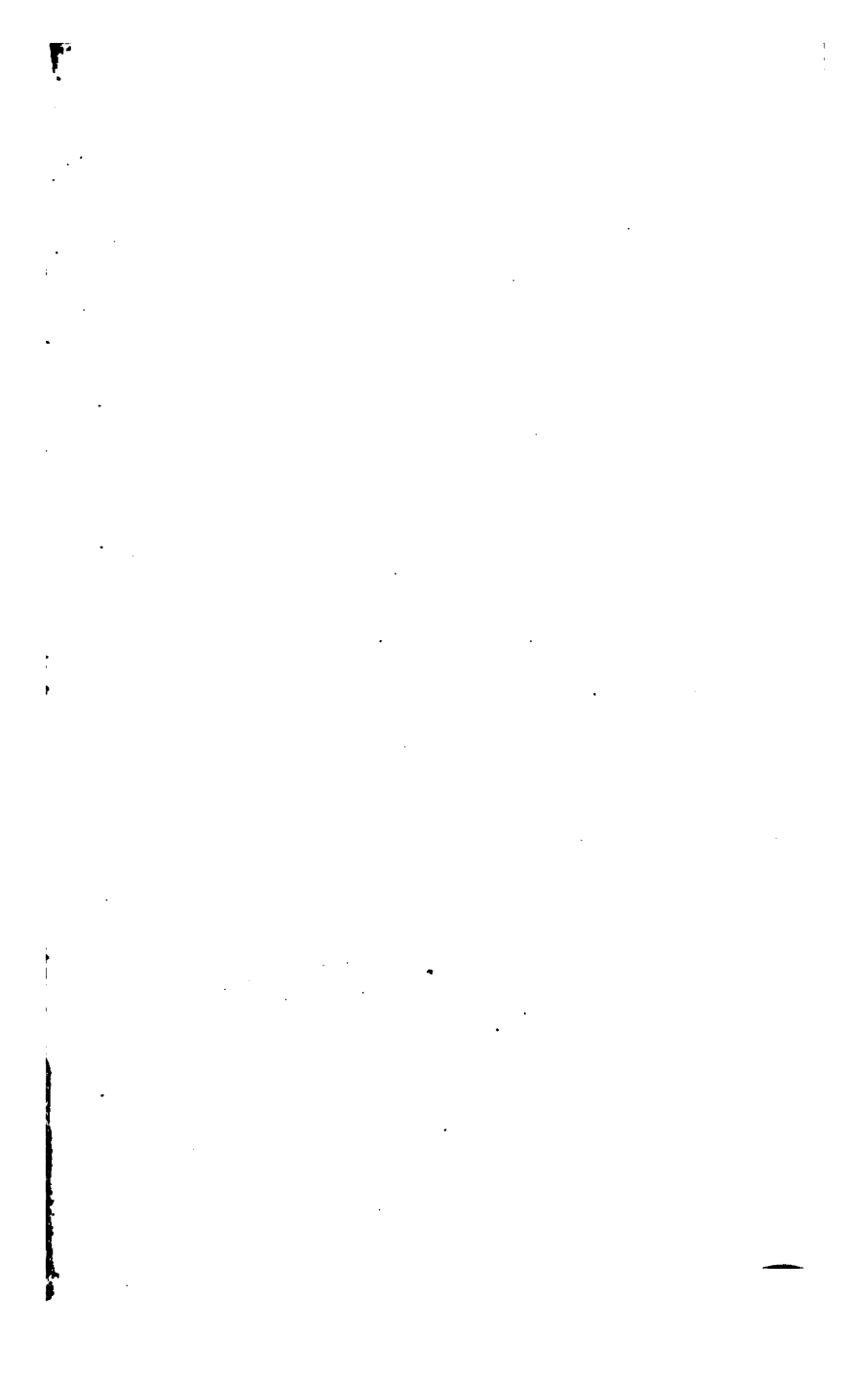
## CONCHIFERA.

*Gastrophæna*, *sp.* ..... Cor. Wilts.  
*Ceromya concentrica*, *Sby.* ..... Inf.O. Stroud.  
*Ceromya striata*, *Sby.* ..... Inf.O. Stroud.  
*Panopæa oblata*, *Sby.* ..... Kim.Cl. Weymouth.  
*Panopæa decurtata*, *Goldf.* ..... G.O. Wilts.  
*Panopæa recurva*, *Phil.* ..... G.O. Wilts.  
*Panopæa gibbosa*, *Sby.* ..... G.O. Wilts.  
*Panopæa securiformis*, *Phil.* .... Cb. Wilts.  
*Panopæa Jurassi*, *Brong.* ..... Inf.O. Bridport.  
*Goniomya V-scripta*, *Sby.* ..... Kel.R. Chippenham.  
*Thracia depressa*, *Sby.* ..... Oxf.Cl. Chippenham.  
*Pholadomya Murchisoniæ*, *Sby.* .. Cb. Wilts.  
*Pholadomya deltoidea*, *Sby.* ..... Cb. Wilts.  
*Pholadomya æqualis*, *Sby.* ..... Kel.R. Chippenham.  
*Pholadomya fidicula*, *Sby.* ..... Inf.O. Stroud.  
*Corbula involuta*, *Goldf.* ..... G.O. Ancliff.  
*Tellina ampliata*, *Phil.* ..... Cor. Malton.  
*Quenstedtia oblita*, *Phil.* ..... Inf.O. Stroud.  
*Quenstedtia lævigata*, *Phil.* ..... G.O. Minchinhampton.  
*Tancredia axiniformis*, *Phil.* .... G.O. Minchinhampton.  
*Tancredia planata*, *M. & L.* ..... G.O. Minchinhampton.  
*Tancredia truncata*, *Lycett* ..... G.O. Minchinhampton.  
*Tancredia angulata*, *Lycett* ..... G.O. Minchinhampton.  
*Tancredia curtansata*, *Phil.* ..... G.O. Minchinhampton.  
*Tancredia donaciformis*, *Lycett* .. Inf.O. Stroud.  
*Astarte modiolaris*, *Lam.* ..... Inf.O. Yeovil.  
*Astarte obliqua*, *Lam.* ..... Inf.O. Dundry.  
*Astarte excavata*, *Sby.* ..... Inf.O. Dundry.  
*Astarte lurida*, *Sby.* ..... Inf.O. Dundry.  
*Astarte rotunda*, *Sby.* ..... Inf.O. Dundry.  
*Astarte elegans*, *Sby.* ..... Inf.O. Dundry.  
*Astarte rhomboidalis*, *Phil.* ..... G.O. Minchinhampton.  
*Astarte carinata*, *Phil.* ..... Oxf.Cl. Scarborough.











<i>Astarte minima</i> , <i>Phil.</i> . . . . .	G.O. Ancliff.
<i>Astarte angulata</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Opis lunulatus</i> , <i>Sby.</i> . . . . .	Inf.O. Bridport.
<i>Opis similis</i> , <i>Sby.</i> . . . . .	G.O. Minchinhampton.
<i>Opis Deshayesi</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Opis trigonalis</i> , <i>Sby.</i> . . . . .	Inf.O. Dundry.
<i>Cardinia abducta</i> , <i>Stutchb.</i> . . . . .	Inf.O. Dundry.
<i>Cardita orbicularis</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Cardita pumila</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Isocardia ? minima</i> , <i>Sby.</i> . . . . .	Cb. Chippenham.
<i>Isocardia tenera</i> , <i>Sby.</i> . . . . .	Kel.R. Chippenham.
<i>Isocardia rostrata</i> , <i>Sby.</i> . . . . .	G.O. Wilts.
<i>Isocardia Wiltoni</i> , <i>M. &amp; L.</i> . . . . .	G.O. Ancliff.
<i>Isocardia cordata</i> , <i>Buckm.</i> . . . . .	Inf.O. Dundry.
<i>Cardium dissimile</i> , <i>Sby.</i> . . . . .	P.St. Swindon.
<i>Cardium concinnum</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Cardium Stricklandi</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Cardium Buckmanni</i> , <i>M. &amp; L.</i> . . . . .	Inf.O. Stroud.
<i>Lucina despecta</i> , <i>Phil.</i> . . . . .	Kel.R. Chippenham.
<i>Lucina Bellona</i> , <i>D'Orb.</i> . . . . .	G.O. Minchinhampton.
<i>Unicardium impressum</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Unicardium parvulum</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Unicardium gibbosum</i> , <i>M. &amp; L.</i> . . . . .	Inf.O. Yeovil.
<i>Sphæra Madridi</i> , <i>D'Arch.</i> . . . . .	G.O. Minchinhampton.
<i>Corbis ovalis</i> , <i>Phil.</i> . . . . .	Kel.R. Chippenham.
<i>Corbis Lajoyei</i> , <i>D'Arch.</i> . . . . .	G.O. Minchinhampton.
<i>Trigonia costata</i> , <i>Park.</i> . . . . .	Oxf.Cl. Weymouth.
<i>Trigonia costata</i> , var. <i>pullus</i> , <i>Sby.</i> . . . . .	G.O. Minchinhampton ; Ancliff.
<i>Trigonia costata</i> , var. . . . .	Inf.O. Dundry.
<i>Trigonia striata</i> , <i>Sby.</i> . . . . .	Inf.O. Yeovil.
<i>Trigonia angulata</i> , <i>Sby.</i> . . . . .	G.O. Minchinhampton.
<i>Trigonia clavellata</i> , <i>Park.</i> . . . . .	Oxf.Cl. Weymouth.
<i>Trigonia clavellata</i> , var. . . . .	Inf.O. Dundry.
<i>Trigonia gibbosa</i> , <i>Sby.</i> . . . . .	P.St. Tisbury ; Swindon.
<i>Trigonia impressa</i> , <i>Sby.</i> . . . . .	G.O. Stonesfield.
<i>Trigonia Moretoni</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.

<i>Trigonia duplicata</i> , <i>Sby.</i> .....	Inf.O. Bath.
<i>Arca Prattii</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Arca pulchra</i> , <i>Sby.</i> .....	G.O. Minchinhampton.
<i>Arca minuta</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Arca rudis</i> , <i>Sby.</i> .....	G.O. Minchinhampton.
<i>Arca æmula</i> , <i>Phil.</i> .....	G.O. Minchinhampton.
<i>Arca (Macrodon) Hirsonensis</i> , <i>D'Arch.</i> .....	G.O. Minchinhampton.
<i>Cucullæa oblonga</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Cucullæa cucullata</i> , <i>Goldf.</i> .....	G.O. Minchinhampton.
<i>Nucula variabilis</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Leda lacryma</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Leda nuda</i> , <i>Phil.</i> .....	Oxf.Cl. Chippenham.
<i>Limopsis Oolitica</i> , <i>D'Arch.</i> .....	G.O. Minchinhampton ; Ancliff.
<i>Myochama Acteon</i> , <i>D'Orb.</i> .....	G.O. Minchinhampton.
<i>Myochama crassa</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Mytilus cuneatus</i> , <i>Phil.</i> .....	Inf.O. Dundry.
<i>Mytilus sublævis</i> , <i>Sby.</i> .....	G.O. Minchinhampton.
<i>Modiola furcata</i> , <i>Goldf.</i> .....	G.O. Minchinhampton.
<i>Modiola aspera</i> , <i>Sby.</i> .....	Br.Cl. Bradford.
<i>Modiola pulcherrima</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Modiola tumida</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Modiola cuneata</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<i>Modiola reniformis</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<i>Modiola gibbosa</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<i>Modiola plicata</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<i>Modiola Lonsdalei</i> , <i>M. &amp; L.</i> .....	Cb. Chippenham.
<i>Modiola imbricata</i> , <i>Sby.</i> .....	P.St. Wilts.
<i>Modiola bipartita</i> , <i>Sby.</i> .....	Oxf.Cl. Weymouth.
<i>Lithodomus inclusus</i> , <i>Phil.</i> .....	G.O. Ancliff ; Minchin- hampton.
<i>Pinna cuneata</i> , <i>Bean</i> .....	G.O. Minchinhampton.
<i>Pinna lanceolata</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<i>Pinna mitis</i> , <i>Phil.</i> .....	Oxf.Cl. Scarborough.
<i>Trichites nodosus</i> , <i>Lycett</i> .....	Inf.O. Cheltenham.
<i>Perna rugosa</i> , <i>Goldf.</i> .....	Inf.O. Cheltenham.



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<b>Perna quadrata</b> , <i>Sby.</i> .....	Cb. Yorkshire.
<b>Perna mytiloides</b> , <i>Lam.</i> .....	Kim.Cl. Weymouth.
<b>Perna Fittoni</b> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<b>Pteroperna costatula</b> , <i>Desl.</i> .....	G.O. Minchinhampton.
<b>Gervillia Bathonica</b> , <i>M. &amp; L.</i> ....	G.O. Minchinhampton.
<b>Gervillia acuta</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Gervillia subcylindrica</b> , <i>M. &amp; L.</i> ..	G.O. Minchinhampton.
<b>Gervillia ovata</b> , <i>Sby.</i> .....	G.O. Ancliff.
<b>Gervillia Hartmanni</b> , <i>Goldf.</i> ....	Inf.O. Rodborough.
<b>Gervillia tortuosa</b> , <i>Phil.</i> .....	Inf.O. Whithy.
<b>Gervillia aviculoides</b> , <i>Sby.</i> .....	Calc.G. Weymouth.
<b>Avicula costata</b> , <i>Sby.</i> .....	Br.Cl. Bradford.
<b>Avicula Münsteri</b> , <i>Goldf.</i> .....	G.O. Wilts.
<b>Avicula inæquivalvis</b> , <i>Sby.</i> .....	Kel.R. Wilts.
<b>Avicula echinata</b> , <i>Sby.</i> .....	Cb. Chippenham.
<b>Hinnites velatus</b> , <i>Goldf.</i> .....	Inf.O. Stroud.
<b>Plicatula fistulosa</b> , <i>M. &amp; L.</i> .....	Cor. Steeple Ashton.
<b>Lima duplicata</b> , <i>Sby.</i> .....	Cb. Chippenham.
<b>Lima duplicata</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Lima gibbosa</b> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Lima rudis</b> , <i>Sby.</i> .....	G.O. Stonesfield.
<b>Lima pectiniiformis</b> , <i>Schl.</i> .....	Inf.O. Stroud.
<b>Lima ovalis</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Lima cardiiformis</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Lima rigida</b> , <i>Sby.</i> .....	Cor. Malton.
<b>Lima læviuscula</b> , <i>Sby.</i> .....	Cor. Malton.
<b>Lima punctata</b> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Lima gigantea</b> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Pecten demissus</b> , <i>Phil.</i> .....	Cor. Malton.
<b>Pecten vagans</b> , <i>Sby.</i> .....	Cb. Chippenham.
<b>Pecten fibrosus</b> , <i>Sby.</i> .....	F.M. Wilts.
<b>Pecten vimineus</b> , <i>Sby.</i> .....	Cor. Malton.
<b>Pecten barbatus</b> , <i>Sby.</i> .....	Inf.O. Dundry.
<b>Pecten dentatus</b> , <i>Sby.</i> .....	Inf.O. Yeovil.
<b>Pecten lamellosus</b> , <i>Sby.</i> .....	P.St. Portland.
<b>Pecten cinctus</b> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Pecten annulatus</b> , <i>Sby.</i> .....	Cb. Wilts.

<i>Pecten clathratus</i> , <i>Ræm.</i> . . . . .	G.O. Minchinhampton.
<i>Pecten retiferus</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Pecten rigidus</i> , <i>Sby.</i> . . . . .	F.M. Wilts.
<i>Pecten arcuatus</i> , <i>Sby.</i> . . . . .	G.O. Scarborough.
<i>Pecten lens</i> , <i>Sby.</i> . . . . .	G.O. Minchinhampton.
<i>Placunopsis socialis</i> , <i>M. &amp; L.</i> . . . .	G.O. Minchinhampton.
<i>Ostrea Marshii</i> , <i>Sby.</i> . . . . .	Inf.O. Stroud.
<i>Ostrea gregaria</i> , <i>Sby.</i> . . . . .	Cor. Sloperton, Wilts.
<i>Ostrea solitaria</i> , <i>Sby.</i> . . . . .	Cor. Malton.
<i>Ostrea costata</i> , <i>Sby.</i> . . . . .	Cb. Chippenham.
<i>Ostrea acuminata</i> , <i>Sby.</i> . . . . .	Br.Cl. Wilts.
<i>Ostrea deltoidea</i> , <i>Sby.</i> . . . . .	Kim.Cl. Wilts.
<i>Gryphæa bilobata</i> , <i>Sby.</i> . . . . .	Inf.O. Cheltenham.
<i>Gryphæa dilatata</i> , <i>Sby.</i> . . . . .	Oxf.Cl. Somerset.

## BRACHIOPODA.

<i>Crania antiquior</i> , <i>Jelly</i> . . . . .	G.O. Bath.
<i>Terebratula coarctata</i> , <i>Park.</i> . . . .	Br.Cl. Bradford ; Ancliff.
<i>Terebratula fiabellum</i> , <i>Deifr.</i> . . . .	Br.Cl. Bradford.
<i>Terebratula fimbria</i> , <i>Sby.</i> . . . . .	Inf.O. Stroud.
<i>Terebratula fimbria</i> , <i>var.</i> . . . . .	Inf.O. Stroud.
<i>Terebratula plicata</i> , <i>Buckm.</i> . . . .	Inf.O. Stroud.
<i>Terebratula hemisphærica</i> , <i>Sby.</i> . .	G.O. Bath.
<i>Terebratula maxillata</i> , <i>Sby.</i> . . . .	Br.Cl. Bradford ; Ancliff.
<i>Terebratula maxillata</i> , <i>var. major</i> . .	F.M. Chippenham.
<i>Terebratula maxillata</i> , <i>var. ampla</i> . .	Inf.O. Stroud.
<i>Terebratula intermedia</i> , <i>Sby.</i> . . . .	Cb. Chippenham.
<i>Terebratula perovalis</i> , <i>Sby.</i> . . . .	Inf.O. Dundry.
<i>Terebratula simplex</i> , <i>Buckm.</i> . . . .	Inf.O. Cheltenham.
<i>Terebratula globata</i> , <i>Sby.</i> . . . .	Inf.O. Yeovil.
<i>Terebratula globata</i> , <i>var.</i> . . . . .	Inf.O. Cotteswolds.
<i>Terebratula Phillipsii</i> , <i>Morris</i> . . . .	Inf.O. Yeovil.
<i>Terebratula Buckmanni</i> , <i>Dav.</i> . . . .	Inf.O. Stroud.
<i>Terebratula Wrightii</i> , <i>Dav.</i> . . . .	Inf.O. Stroud.
<i>Waldheimia cardium</i> , <i>Lam.</i> . . . .	Br.Cl. Bradford.
<i>Waldheimia cardium</i> , <i>jun. (furcata, Sby.)</i>	G.O. Ancliff.
<i>Waldheimia impressa</i> , <i>Buch</i> . . . .	Oxf.Cl. St. Neots.





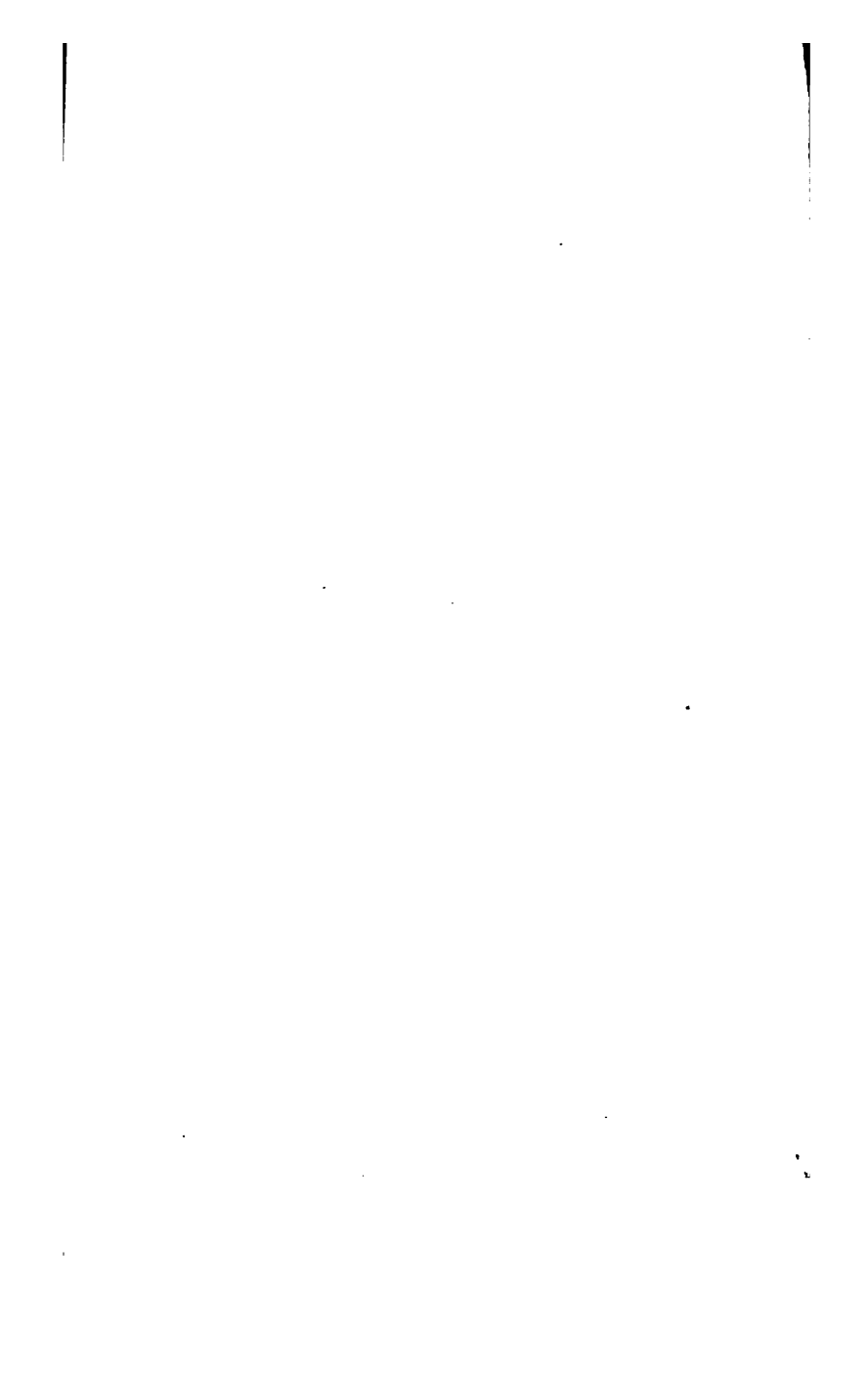
<b>Waldheimia carinata</b> , <i>Lam.</i> .....	Inf.O. Yeovil; Stroud.
<b>Waldheimia Waltoni</b> , <i>Dav.</i> .....	Inf.O. Stroud.
<b>Waldheimia digona</b> , <i>Sby.</i> .....	Br.Cl. Bradford.
<b>Waldheimia obovata</b> , <i>Sby.</i> .....	Cb. Chippenham; Rushden.
<b>Waldheimia lagenalis</b> , <i>Schl.</i> ....	Cb. Rushden, Norths.
<b>Waldheimia ornithocephala</b> , <i>Sby.</i> ..	F.E. Box.
<b>Waldheimia ornithocephala</b> , var. <i>triquetra</i> , <i>Sby.</i> .....	F.E. Box.
<b>Waldheimia ovoides</b> , <i>Sby.</i> .....	Inf.O. Whitby.
<b>Waldheimia bullata</b> , <i>Sby.</i> .....	Inf.O. Yeovil.
<b>Waldheimia sphæroidalis</b> , <i>Sby.</i> ..	Inf.O. Bridport.
<b>Rhynchonella spinosa</b> , <i>Schl.</i> .....	Inf.O. Stroud.
<b>Rhynchonella cynocephala</b> , <i>Rich.</i> ..	Inf.O. Stroud.
<b>Rhynchonella varians</b> , <i>Schl.</i> .....	Oxf.Cl. St. Neots.
<b>Rhynchonella fareta</b> , <i>L.</i> .....	Br.Cl. Bradford.
<b>Rhynchonella angulata</b> , <i>Sby.</i> ....	Br.Cl. Bradford.
<b>Rhynchonella concinna</b> , <i>Sby.</i> ....	Cb. Chippenham.
<b>Rhynchonella concinna</b> , var. ( <i>sub-obsolata</i> ).....	Inf.O. Stroud.
<b>Rhynchonella quadriplicata</b> , <i>Ziet.</i>	Inf.O. Yeovil.
<b>Rhynchonella plicatella</b> , <i>Sby.</i> ....	Inf.O. Yeovil.
<b>Rhynchonella inconstans</b> , <i>Sby.</i> ...	Kim.Cl. Weymouth.

## GASTEROPODA.

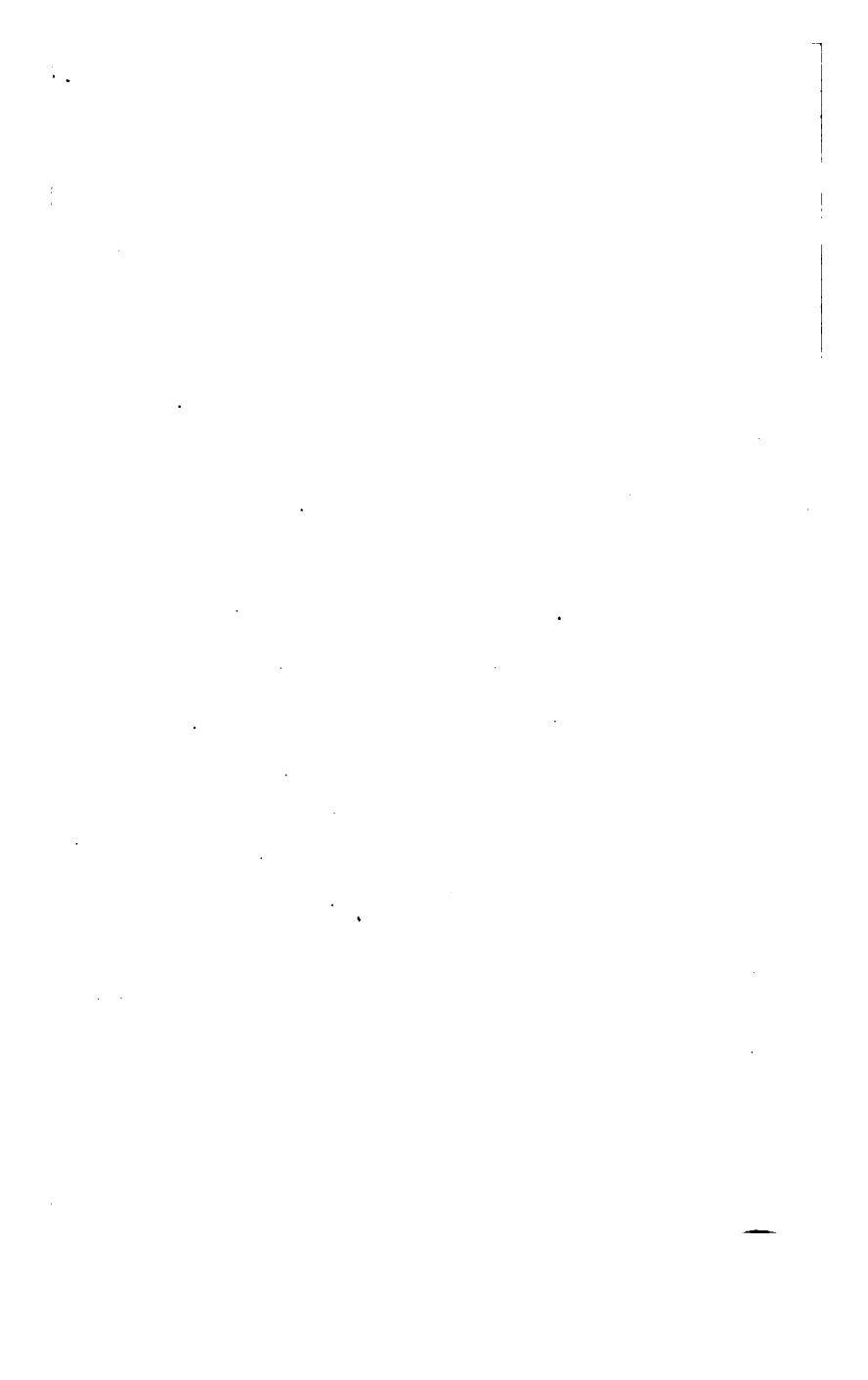
<b>Cylindrites acutus</b> , <i>Sby.</i> .....	G.O. Minchinhampton; Ancliff.
<b>Patella rugosa</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Patella Roëmeri</b> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<b>Patella sulcata</b> , <i>Desl.</i> .....	G.O. Minchinhampton.
<b>Patella inornata</b> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<b>Patella nana</b> , <i>Sby.</i> .....	G.O. Minchinhampton.
<b>Patella Hamptonensis</b> ( <i>Umbrella?</i> ), <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<b>Pileolus plicatus</b> , <i>Sby.</i> .....	G.O. Minchinhampton; Ancliff.
<b>Pileolus lævis</b> , <i>Sby.</i> .....	G.O. Ancliff.

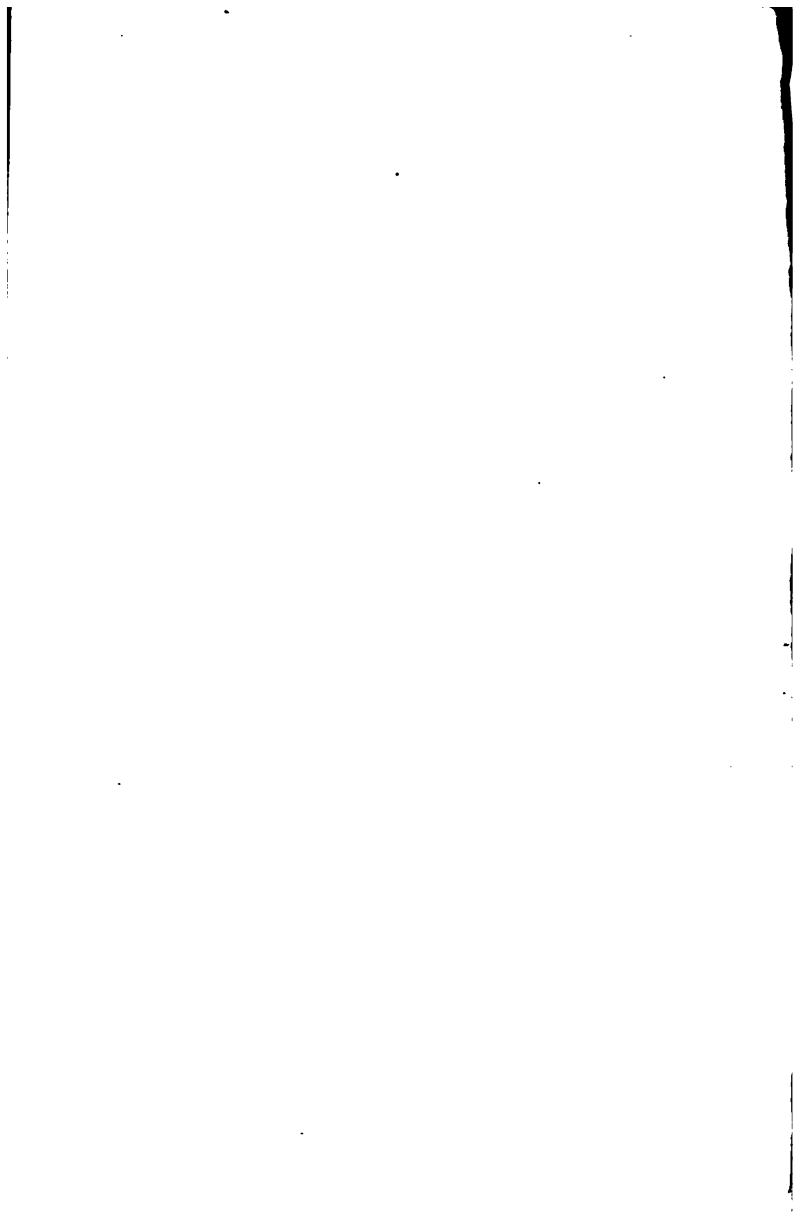
<i>Nerita rugosa</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Nerita cancellata</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Nerita hemisphærica</i> , <i>Ræm.</i> .....	G.O. Minchinhampton.
<i>Nerita minuta</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Nerita costata</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Nerita sulcosa</i> , <i>D'Arch.</i> .....	Inf.O. Yeovil.
<i>Rimula clathrata</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Rimula tricarinata</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Trochotoma conuloides</i> , <i>Desl.</i> .....	G.O. Minchinhampton.
<i>Trochotoma ? discoidea</i> , <i>Ræm.</i> .....	G.O. Minchinhampton.
<i>Pleurotomaria scalaris</i> , <i>Desl.</i> .....	G.O. Minchinhampton.
<i>Pleurotomaria reticulata</i> , <i>Sby.</i> ..	Kim.Cl. Ringstead Bay.
<i>Pleurotomaria carinata</i> , <i>Sby.</i> .....	Inf.O. Cheltenham.
<i>Pleurotomaria ornata</i> , <i>Defr.</i> .....	Inf.O. Bridport.
<i>Pleurotomaria pallium</i> , <i>Morris</i> ..	Inf.O. Dundry.
<i>Pleurotomaria tuberculosa</i> , <i>Defr.</i> ..	Inf.O. Yeovil.
<i>Pleurotomaria elongata</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Pleurotomaria fasciata</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Pleurotomaria sulcata</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Pleurotomaria punctata</i> , <i>Sby.</i> .....	Inf.O. Dundry.
<i>Pleurotomaria granulata</i> , <i>Sby.</i> ....	Inf.O. Dundry.
<i>Trochus dimidiatus</i> , <i>Sby.</i> .....	G.O. Minchinhampton.
<i>Trochus Bunburyi</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Trochus pileolus</i> , <i>M. &amp; L.</i> .....	G.O. Ancliff.
<i>Trochus obsoletus</i> , <i>Ræm.</i> .....	Inf.O. Yeovil.
<i>Monodonta Lyelli</i> , <i>D'Arch.</i> .....	G.O. Minchinhampton.
<i>Monodonta ? formosa</i> , <i>M. &amp; L.</i> ....	G.O. Minchinhampton.
<i>Delphinula alta</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Crossostoma discoideum</i> , <i>M. &amp; L.</i> ..	G.O. Minchinhampton.
<i>Crossostoma Prattii</i> , <i>M. &amp; L.</i> .....	G.O. Minchinhampton.
<i>Turbo (Litorina ?) ornatus</i> , <i>Sby.</i> ..	Inf.O. Yeovil.
<i>Turbo carinatus</i> , <i>Sby.</i> .....	Inf.O. Yeovil.
<i>Turbo obtusus</i> , <i>Sby.</i> .....	G.O. Ancliff.
<i>Turbo Hamptonensis</i> , <i>M. &amp; L.</i> ....	G.O. Ancliff.
<i>Turbo muricatus</i> , <i>Sby.</i> .....	Cor. Wilts.
<i>Phasianella ? striata</i> , <i>Sby.</i> .....	Cor. Malton.
<i>Phasianella nuciformis</i> , <i>M. &amp; L.</i> ..	G.O. Minchinhampton











<i>Phasianella Leymeriei</i> , <i>D'Arch.</i> . . .	G.O. Minchinhampton.
<i>Rissoa lævis</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Rissoa duplicata</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Rissoa acuta</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Ceritella unilineata</i> , <i>Sby.</i> . . . . .	G.O. Ancliff.
<i>Nerinæa Goodhalli</i> , <i>Sby.</i> . . . . .	Cor. Osmington.
<i>Nerinæa funiculus</i> , <i>Desl.</i> . . . . .	G.O. Minchinhampton.
<i>Nerinæa punctata</i> , <i>Voltz</i> . . . . .	G.O. Minchinhampton.
<i>Nerinæa Voltzii</i> , <i>Desl.</i> . . . . .	G.O. Minchinhampton.
<i>Nerinæa Dufresnoyi</i> , <i>D'Arch.</i> . . . .	G.O. Minchinhampton.
<i>Nerinæa cingenda</i> , <i>Phil.</i> . . . . .	Inf.O. Whitby.
<i>Cerithium Portlandicum</i> , <i>Sby.</i> . . . .	P.St. Swindon.
<i>Cerithium limæforme</i> , <i>Ræm.</i> . . . .	G.O. Minchinhampton.
<i>Cerithium sexcostatum</i> , <i>M. &amp; L.</i> . . .	G.O. Minchinhampton.
<i>Cerithium muricatum</i> , <i>Sby.</i> . . . . .	Cor. Calne.
<i>Eulima vagans</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Chemnitzia variabilis</i> , <i>M. &amp; L.</i> . . .	G.O. Minchinhampton.
<i>Chemnitzia phasianoides</i> , <i>M. &amp; L.</i> . .	G.O. Minchinhampton.
<i>Chemnitzia Lonsdalei</i> , <i>M. &amp; L.</i> . . .	G.O. Minchinhampton.
<i>Chemnitzia</i> ? <i>Heddingtonensis</i> , <i>Sby.</i>	Cor. Weymouth.
<i>Chemnitzia melanoides</i> , <i>Phil.</i> . . . .	Cor. Yorkshire.
<i>Chemnitzia lineata</i> , <i>Sby.</i> . . . . .	Inf.O. Dundry.
<i>Natica grandis</i> , <i>Goldf.</i> . . . . .	Inf.O. Dundry.
<i>Natica adducta</i> , <i>Phil.</i> . . . . .	Inf.O. Dundry.
<i>Natica Bajociensis</i> , <i>D'Orb.</i> . . . . .	Inf.O. Yeovil.
<i>Natica Michelini</i> , <i>D'Arch.</i> . . . . .	G.O. Minchinhampton.
<i>Natica Stricklandi</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Natica canaliculata</i> , <i>M. &amp; L.</i> . . . .	G.O. Minchinhampton.
<i>Natica subcanaliculata</i> , <i>M. &amp; L.</i> . . .	G.O. Minchinhampton.
<i>Natica elegans</i> , <i>Sby.</i> . . . . .	P.St. Tisbury.
<i>Purpurina nodulata</i> , <i>Y. &amp; B.</i> . . . .	G.O. Minchinhampton.
<i>Purpurina Morrisii</i> , <i>Buv.</i> . . . . .	G.O. Minchinhampton.
<i>Rostellaria trifida</i> , <i>Phil.</i> . . . . .	Oxf.Cl. Chippenham.
<i>Rostellaria armata</i> , <i>M. &amp; L.</i> . . . . .	G.O. Minchinhampton.
<i>Rostellaria parvula</i> , <i>M. &amp; L.</i> . . . .	G.O. Minchinhampton.
<i>Rostellaria hamus</i> , <i>Desl.</i> . . . . .	G.O. Minchinhampton.

## CEPHALOPODA.

SECTION A.—*Square-backed Ammonites.*

- Ammonites perarmatus*, *Sby.* . . . . Calc.G. Wilts.  
*Ammonites athletus*, *Phil.* . . . . Kim.Cl. Cambridgeshire.  
*Ammonites Williamsoni*, *Phil.* . . . . Kim.Cl. Cambridgeshire.  
*Ammonites Gowerianus*, *Sby.* . . . . Oxf.Cl. Chippenham.  
*Ammonites Calloviensis*, *Sby.* . . . . Kel.R. Chippenham.  
*Ammonites Duncani*, *Sby.* (*ornatus*) Kim.Cl. Cambridge.  
*Ammonites Duncani*, var. *spinosus*, *Sby.* Oxf.Cl. Chippenham.  
*Ammonites Jason*, *Rein.* (*Elizabethæ*) Oxf.Cl. Chippenham.

SECTION B.—*Round-backed Ammonites.*

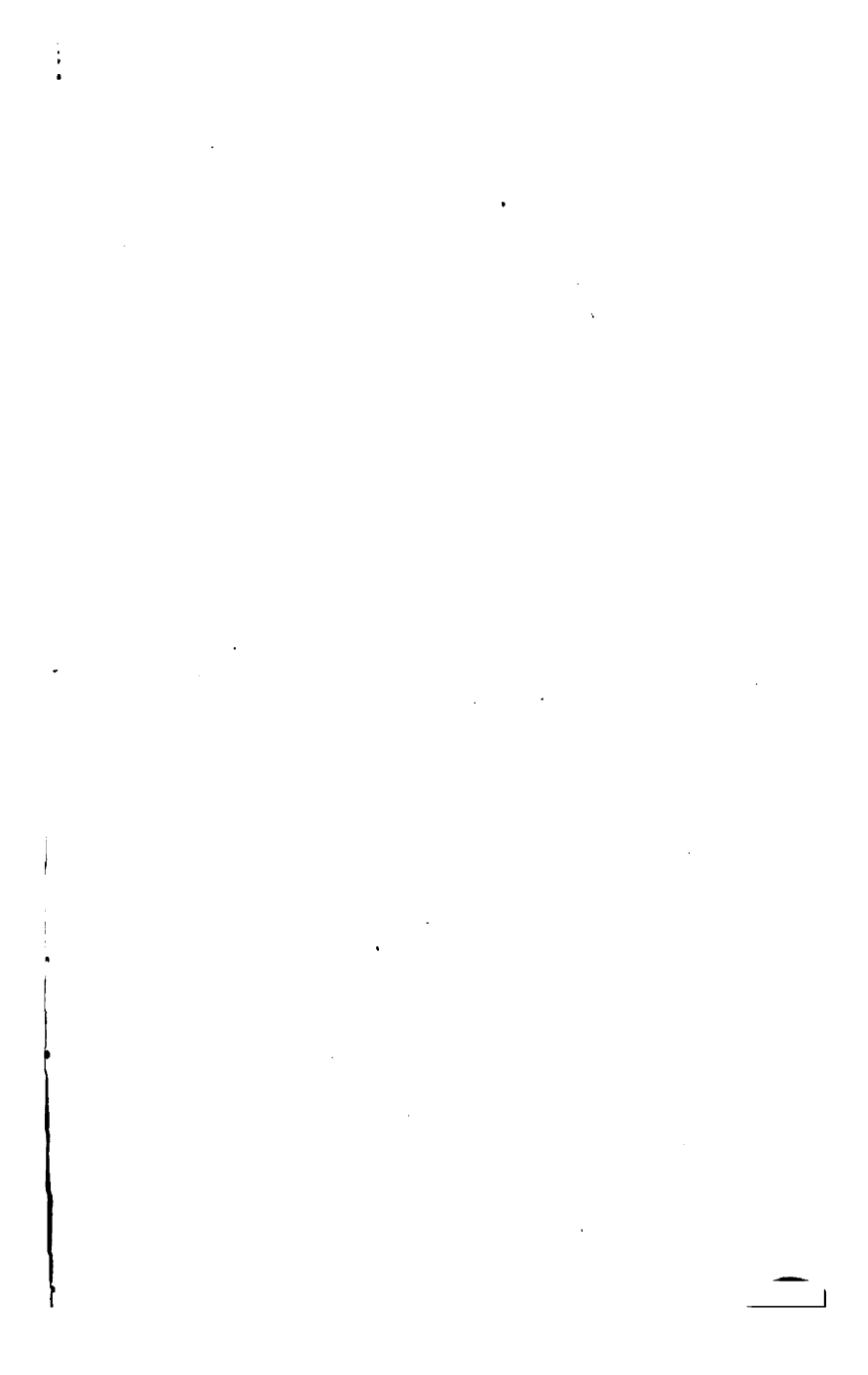
- Ammonites biplex*, *Sby.* . . . . P.St. Swindon.  
*Ammonites biplex*, var. *rotundus*, *Sby.* Kim.Cl. Aylesbury.  
*Ammonites Vernoni*, *Phil.* . . . . Kim.Cl. Cambridge.  
*Ammonites Bakeriæ*, *Sby.* . . . . Kim.Cl. Cambridge.  
*Ammonites triplicatus*, *Sby.* . . . . Kim.Cl. Wotton Basset.  
*Ammonites plicatilis*, *Sby.* . . . . Cor. Malton.  
*Ammonites Galdrinus*, *D'Orb.* . . . . Kim.Cl. Wotton Basset.  
*Ammonites Comptoni*, *Pratt.* . . . . Oxf.Cl. Chippenham.  
*Ammonites plicomphalus*, *Sby.* . . Oxf.Cl. Weymouth.  
*Ammonites Koenigi*, *Sby.* . . . . Oxf.Cl. Chippenham.  
*Ammonites sublævis*, *Sby.* . . . . Kel.R. Chippenham.  
*Ammonites Herveyi*, *Sby.* . . . . Kel.R. Chippenham.  
*Ammonites Brocchii*, *Sby.* . . . . Inf.O. Dundry.  
*Ammonites contractus*, *Sby.* . . . . Inf.O. Bridport.  
*Ammonites Banksii*, *Sby.* . . . . Inf.O. Bridport; Yeovil.  
*Ammonites Humphriesi*, *Sby.* . . . Inf.O. Bridport; Yeovil.  
*Ammonites dimorphus*, *D'Orb.* . . Inf.O. Yeovil.  
*Ammonites subradiatus*, *Sby.* . . . Inf.O. Dundry.

SECTION C.—*Ammonites with furrowed backs.*

- Ammonites anceps*, *Rein.* . . . . Kim.Cl. Cambridge.  
*Ammonites Parkinsoni*, *Sby.* . . . Inf.O. Bridport.

SECTION D.—*Ammonites with crenulate backs.*

- Ammonites crenatus*, *Brug.* . . . . Oxf.Cl. Norths.  
*Ammonites Leachii*, *Sby.* . . . . Kim.Cl. Weymouth.  
*Ammonites Lamberti*, *Sby.* . . . . Kim.Cl. Weymouth.  
*Ammonites quadratus*, *Sby.* . . . . Cor. Calne.





<b>Ammonites flexicostatus</b> , <i>Phil.</i> ..	Kel.R. Scarborough.
<b>Ammonites lenticularis</b> , <i>Phil.</i> ....	Kel.R. Scarborough.
<b>Ammonites excavatus</b> , <i>Sby.</i> ( <i>ser-</i> <i>ratus</i> ).....	Kim.Cl. Cambridgeshire.
<b>Ammonites Lonsdalei</b> , <i>Pratt</i> ....	Oxf.Cl. Chippenham.
<b>Ammonites Brightii</b> , <i>Pratt</i> .....	Oxf.Cl. Chippenham.
<b>Ammonites discoideus</b> , <i>Ziet.</i> ....	Inf.O. Stroud.

SECTION E.—*Keeled Ammonites.*

<b>Ammonites variabilis</b> , <i>D'Orb.</i> ....	Inf.O. Stroud.
<b>Ammonites subradiatus</b> , <i>Sby.</i> ....	Inf.O. Stroud.
<b>Ammonites concavus</b> , <i>Sby.</i> .....	Inf.O. Bridport; Yeovil.
<b>Ammonites corrugatus</b> , <i>Sby.</i> ....	Inf.O. Stroud; Yeovil.
<b>Ammonites corrugatus</b> , var. <i>Mur-</i> <i>chisoniae</i> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Ammonites læviusculus</b> , <i>Sby.</i> ....	Inf.O. Dundry.
<b>Ammonites striatulus</b> , <i>Sby.</i> .....	Inf.O. Stroud.
<b>Ammonites Sowerbii</b> , <i>Miller</i> ....	Inf.O. Yeovil.
<b>Trigonellites</b> ( <i>opercula of Ammo-</i> <i>nites</i> )....	Oxf.Cl. Chippenham.
<b>Ancylloceras Calloviensis</b> , <i>Morris.</i> ..	Kel.R. Chippenham.
<b>Nautilus polygonalis</b> , <i>Sby.</i> .....	Inf.O. Bridport.
<b>Nautilus lineatus</b> , <i>Sby.</i> .....	Inf.O. Bridport.
<b>Nautilus hexagonus</b> , <i>Sby.</i> .....	Calc.G. Wilts.
<b>Nautilus subtruncatus</b> , <i>M. &amp; L.</i> ..	G.O. Minchinhampton
<b>Geoteuthis brevipinnis</b> , <i>Owen</i> ....	Oxf.Cl. Chippenham.
<b>Acanthoteuthis antiquus</b> , <i>Cunnington</i>	Oxf.Cl. Chippenham.
<b>Belemnites Oweni</b> , <i>Pratt</i> .....	Oxf.Cl. Chippenham.
<b>Belemnites sulcatus</b> , <i>Miller</i> .....	Inf.O. Yeovil.
<b>Belemnites abbreviatus</b> , <i>Miller</i> ..	Cor. Seend.
<b>Belemnites fusiformis</b> , <i>Park.</i> ....	G.O. Stonesfield.
<b>Belemnites giganteus</b> , <i>Schl.</i> .....	Inf.O. Dundry.

## PISCES.

<b>Hybodus grossiconus</b> , <i>Ag.</i> .....	G.O. Stonesfield.
<b>Hybodus polyprion</b> , <i>Ag.</i> .....	G.O. Stonesfield.
<b>Hybodus marginalis</b> , <i>Ag.</i> .....	G.O. Stonesfield.
<b>Strophodus tenuis</b> , <i>Ag.</i> .....	G.O. Stonesfield; Wilts.

<i>Strophodus magnus</i> , <i>Ag.</i> .....	G.O. Stonesfield; Wilts.
<i>Sphærodus</i> , <i>Ag.</i> .....	G.O. Stonesfield; Wilts.
<i>Pycnodus Bucklandi</i> , <i>Ag.</i> .....	G.O. Stonesfield; Wilts.
<i>Leptolepis macrophthalmus</i> , <i>Eg.</i> ..	Oxf.Cl. Chippenham.

## REPTILIA.

<i>Megalosaurus Bucklandi</i> , <i>Meyer</i> ..	G.O. Stonesfield.
<i>Teleosaurus</i> , sp. ....	G.O. Stonesfield.
<i>Plesiosaurus</i> , sp. ....	G.O. Stonesfield.
<i>Pterodactylus</i> , sp. ....	G.O. Stonesfield.

## LIAS.

Upper Lias or Alum Shale ..	U.L.
Marlstone. ....	M.
Lower Lias .....	L.L.

## PLANTÆ.

<i>Thuytes</i> , sp. ....	L.L. Watchett.
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## FORAMINIFERA.

<i>Nummulites Liassicus</i> , <i>Jones</i> ....	L.L. Fretherne Cliff.
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## ECHINODERMATA.

<i>Pentacrinus basaltiformis</i> , <i>Miller</i> .	L.L. Lyme Regis.
<i>Extracrinus Briareus</i> , <i>Miller</i> ....	L.L. Lyme Regis.
<i>Ophioderma tennibrachiata</i> , <i>Forbes</i>	M. Bridport.
<i>Ophioderma Egertoni</i> , <i>Brod.</i> ....	M. Bridport.

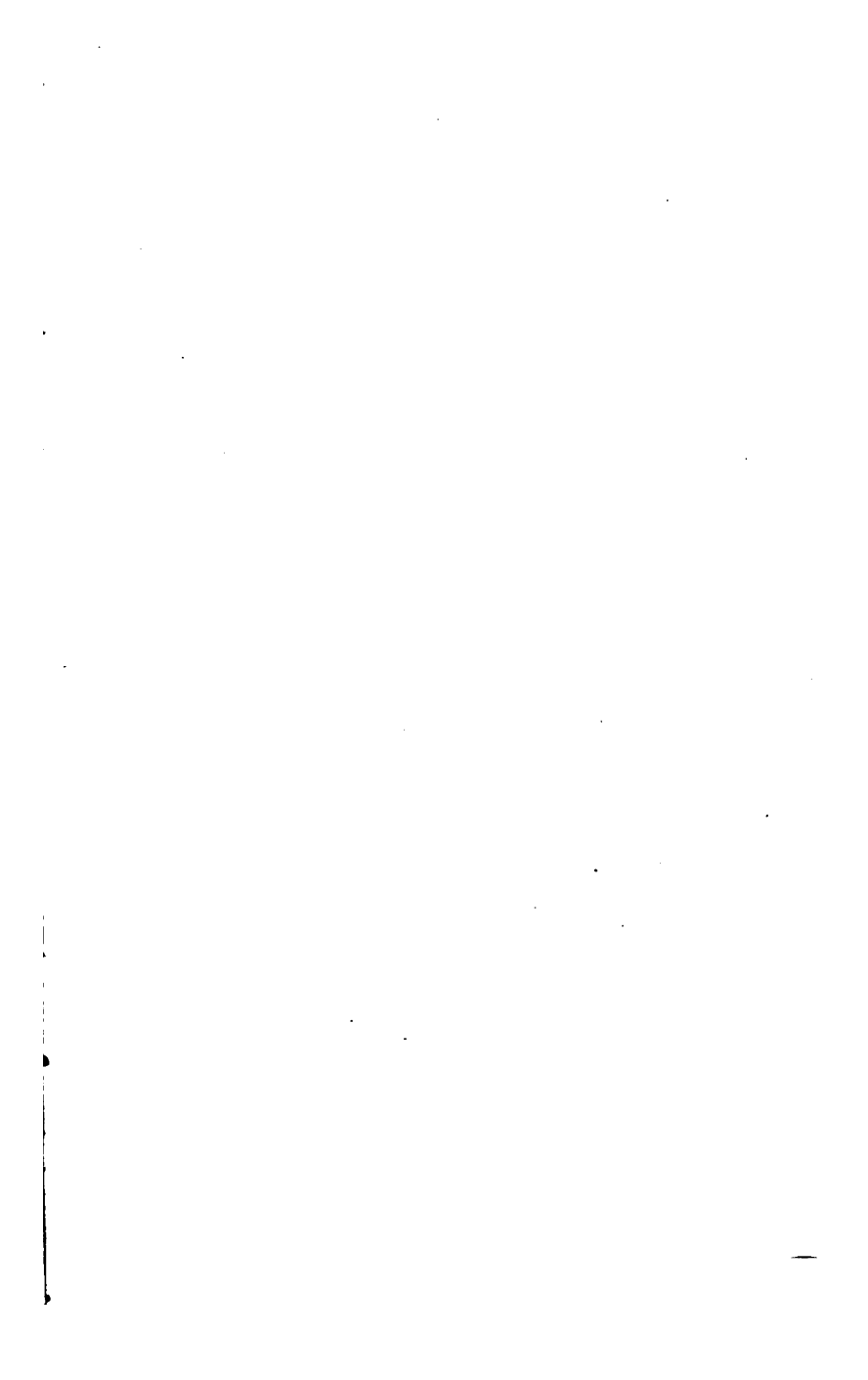
## CRUSTACEA.

<i>Eryon Barrovensis</i> , <i>M'Coy</i> .....	L.L. Barrow.
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## CONCHIFERA.

<i>Panopæa donaciformis</i> , <i>Goldf.</i> ....	U.L. Whitby.
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<i>Panopæa elegans</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Pholadomya ambigua</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Astarte</i> , sp. ....	L.L. Quedgley.
<i>Cardinia Listeri</i> , <i>Sby.</i> .....	L.L. Gloucester.
<i>Cardinia crassiuscula</i> , <i>Stutchb.</i> ..	L.L. Gloucester.
<i>Cardinia attenuata</i> , <i>Stutchb.</i> ....	L.L. Cheltenham.
<i>Unicardium cardioides</i> , <i>Sby.</i> ....	L.L. Gloucester.
<i>Cardium truncatum</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Hippopodium ponderosum</i> , <i>Sby.</i> ..	L.L. Gloucester.
<i>Arca Buckmanni</i> , <i>Rich.</i> .....	L.L. Cheltenham.
<i>Arca elongata</i> , <i>Buckm.</i> .....	L.L. Quedgley.
<i>Arca truncata</i> , <i>Buckm.</i> .....	L.L. Gloucester.
<i>Nucula complanata</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Leda ovum</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Leda rostralis</i> , <i>Lam.</i> .....	L.L. Yorkshire.
<i>Trigonia literata</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Modiola scalprum</i> , <i>Sby.</i> .....	L.L. Gloucester.
<i>Modiola Hillana</i> , <i>Sby.</i> .....	L.L. Gloucester.
<i>Pinna folium</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Avicula longicostata</i> , <i>Stutchb.</i> ....	L.L. Bristol.
<i>Avicula decussata</i> , <i>Goldf.</i> .....	L.L. Gloucester.
<i>Avicula novemcostæ</i> , <i>Br.</i> .....	U.L. Whitby.
<i>Crenatula? ventricosa</i> , <i>Sby.</i> .....	L.L. Cheltenham.
<i>Inoceramus dubius</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Plicatula spinosa</i> , <i>Sby.</i> .....	L.L. Cheltenham.
<i>Lima pectinoides</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Lima Hermanni</i> , <i>Voltz</i> .....	L.L. Lyme Regis.
<i>Lima gigantea</i> , <i>Sby.</i> .....	L.L. Lyme Regis.
<i>Pecten æquivalvis</i> , <i>Sby.</i> .....	M. Ilminster.
<i>Pecten sublævis</i> , <i>Phil.</i> .....	L.L. Cheltenham.
<i>Gryphæa incurva</i> , <i>Sby.</i> .....	L.L. Lyme; Cheltenham.
<i>Gryphæa Maccullochii</i> , <i>Sby.</i> .....	L.L. Lyme; Cheltenham.

## BRACHIOPODA.

<i>Terebratula</i> ( <i>Waldheimia</i> ) <i>resupinata</i> , <i>Sby.</i> .....	M. South Petherton.
<i>Terebratula Moorei</i> , <i>Dav.</i> .....	M. South Petherton.

<i>Terebratula cornuta</i> , <i>Sby.</i> .....	M. South Petherton.
<i>Terebratula indentata</i> , <i>Sby.</i> .....	M. South Petherton.
<i>Terebratula numismalis</i> , <i>Lam.</i> .....	L.L. Cheltenham.
<i>Terebratula Edwardsii</i> , <i>Dav.</i> .....	M. South Petherton.
<i>Terebratula punctata</i> , <i>Sby.</i> .....	M. South Petherton.
<i>Terebratula Lycetti</i> , <i>Dav.</i> .....	M. South Petherton.
<i>Rhynchonella tetrahedra</i> , <i>Sby.</i> ..	M. Deddington.
<i>Rhynchonella bidens</i> , <i>Phil.</i> .....	U.L. Glaizedale; Whitby.
<i>Rhynchonella triplicata</i> , <i>Phil.</i> .....	M. South Petherton.
<i>Rhynchonella acuta</i> , <i>Sby.</i> .....	M. South Petherton.
<i>Rhynchonella ringens</i> , <i>Buch</i> .....	M. South Petherton.
<i>Rhynchonella Bouchardii</i> , <i>Dav.</i> ..	M. South Petherton.
<i>Rhynchonella furcillata</i> , <i>Theod.</i> ..	M. South Petherton.
<i>Spirifer Walcottii</i> , <i>Sby.</i> .....	M. Ilminster.
<i>Spirifer Munsteri</i> , <i>Dav.</i> .....	M. Ilminster.
<i>Spirifer rostratus</i> , <i>Schl.</i> .....	M. Ilminster.

### GASTEROPODA.

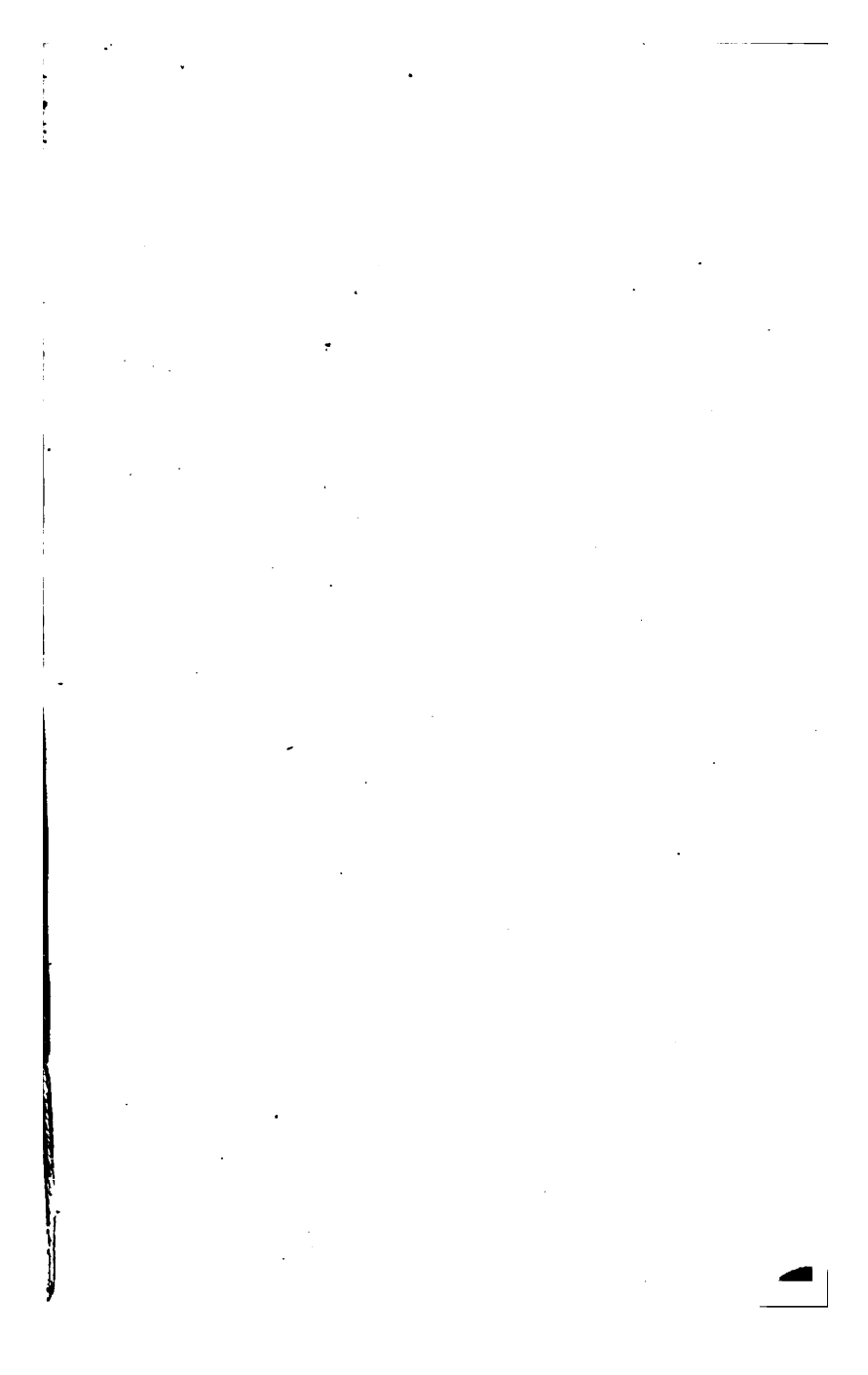
<i>Turbo undulatus</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Trochus imbricatus</i> , <i>Sby.</i> .....	L.L. Deddington.
<i>Pleurotomaria Anglica</i> , <i>Sby.</i> ....	L.L. Gloucester.
<i>Pleurotomaria expansa</i> , <i>Sby.</i> ....	L.L. Lyme.

### CEPHALOPODA.

<i>Ammonites tenuicostatus</i> , <i>Simp.</i> ..	U.L. Whitby.
<i>Ammonites annulatus</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Ammonites communis</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Ammonites communis</i> , var. <i>angulatus</i> , <i>Sby.</i> .....	U.L. South Petherton.
<i>Ammonites Holandrei</i> , <i>D'Orb.</i> ...	
<i>Ammonites crassus</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Ammonites subarmatus</i> , <i>Sby.</i> ....	U.L. Whitby.
<i>Ammonites balteatus</i> , <i>Phil.</i> .....	U.L. Whitby.
<i>Ammonites fimbriatus</i> , <i>Sby.</i> .....	L.L. Lyme.
<i>Ammonites erugatus</i> , <i>Bean.</i> .....	U.L. Whitby.
<i>Ammonites armatus</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Ammonites planorbis</i> , <i>Sby.</i> .....	L.L. Watchett.











<i>Ammonites Johnstoni</i> , <i>Sby.</i> .....	L.L. Watchett.
<i>Ammonites Bechei</i> , <i>Sby.</i> .....	L.L. Lyme.
<i>Ammonites Henleyi</i> , <i>Sby.</i> ( <i>Cheltensis</i> )	L.L. Cheltenham.
<i>Ammonites Belcheri</i> , <i>Simps.</i> ....	L.L. Whitby.
<i>Ammonites planicostatus</i> , <i>Sby.</i> ..	L.L. Ilminster; Whitby.
<i>Ammonites arcigerens</i> , <i>Phil.</i> ....	L.L. Whitby.
<i>Ammonites maculatus</i> , <i>Y. &amp; B.</i> ..	L.L. Whitby.
<i>Ammonites Youngi</i> , <i>Simps.</i> .....	L.L. Whitby.
<i>Ammonites anguliferus</i> , <i>Phil.</i> ....	L.L. Warwick.
<i>Ammonites rotiformis</i> , <i>Sby.</i> .....	L.L. Lyme.
<i>Ammonites obtusus</i> , <i>Sby.</i> .....	L.L. Lyme.
<i>Ammonites Turneri</i> , <i>Sby.</i> .....	L.L. Gloucester.
<i>Ammonites nitescens</i> , <i>Y. &amp; B.</i> ....	U.L. Whitby.
<i>Ammonites bifrons</i> , <i>Brug.</i> .....	U.L. Whitby; Somerset.
<i>Ammonites bifrons</i> , var. <i>Hildensis</i> , <i>Y. &amp; B.</i> .....	U.L. Whitby.
<i>Ammonites Levisoni</i> , <i>Simps.</i> ....	U.L. Whitby.
<i>Ammonites spinatus</i> , <i>Brug.</i> .....	M. Whitby; Somerset.
<i>Ammonites margaritatus</i> , <i>Montf.</i> ..	M. Whitby.
<i>Ammonites subcarinatus</i> , <i>Phil.</i> ..	U.L. Whitby.
<i>Ammonites personatus</i> , <i>Bean</i> ....	L.L. Whitby.
<i>Ammonites ovatus</i> , <i>Y. &amp; B.</i> .....	U.L. Whitby.
<i>Ammonites Smithii</i> , <i>Sby.</i> .....	L.L. Ilminster.
<i>Ammonites geometricus</i> , <i>Phil.</i> ....	L.L. Whitby.
<i>Ammonites striatulus</i> , <i>J. Sby.</i> ....	U.L. Whitby.
<i>Ammonites rutilans</i> , <i>Bean</i> .....	L.L. Whitby.
<i>Ammonites Huntoni</i> , <i>Simps.</i> ....	L.L. Whitby.
<i>Ammonites Simpsoni</i> , <i>Bean</i> .....	L.L. Whitby.
<i>Ammonites falcifer</i> , <i>Sby.</i> .....	U.L. Whitby.
<i>Ammonites falcifer</i> , var. <i>Mulgravius</i> , <i>Y. &amp; B.</i>	U.L. Whitby.
<i>Ammonites exaratus</i> , <i>Y. &amp; B.</i> ....	U.L. Whitby.
<i>Ammonites elegans</i> , <i>Y. &amp; B.</i> .....	U.L. Whitby.
<i>Ammonites Lythensis</i> , <i>Y. &amp; B.</i> ....	U.L. Whitby.
<i>Ammonites Boulbiensis</i> , <i>Y. &amp; B.</i> ..	U.L. Whitby.
<i>Ammonites elegantulus</i> , <i>Y. &amp; B.</i> ..	U.L. Whitby.
<i>Ammonites heterophyllus</i> , <i>Sby.</i> ..	U.L. Whitby.
<i>Ammonites Loscombei</i> , <i>Sby.</i> .....	L.L. Lyme.

<i>Nautilus striatus</i> , <i>Sby</i> .....	L.L. Lyme.
<i>Belemnites acuarii</i> , <i>Schl</i> . ....	U.L. Whitby.
<i>Belemnites compressus</i> , <i>Voltz</i> ....	U.L. Whitby.
<i>Belemnites elongatus</i> , <i>Miller</i> ....	U.L. Whitby.
<i>Belemnites pistilliformis</i> , <i>Sby</i> .....	L.L. Lyme.
<i>Belemnites penicillatus</i> , <i>Bl</i> .....	L.L. Lyme.

## PISCES.

<i>Hybodus reticulatus</i> , <i>Ag</i> .....	L.L. Lyme.
<i>Acrodus nobilis</i> , <i>Ag</i> .....	L.L. Lyme.
<i>Leptolepis Bronni</i> , <i>Ag</i> .....	L.L. Lyme.
<i>Dapedius politus</i> , <i>De la Beche</i> ....	L.L. Lyme.
<i>Dapedius Colei</i> , <i>Ag</i> . ....	L.L. Lyme.
<i>Dapedius granulatus</i> , <i>Ag</i> . ....	L.L. Lyme.
<i>Tetragonolepis</i> , <i>sp</i> . ....	L.L. Lyme.
<i>Æchmodus leiosomus</i> , <i>Ag</i> . ....	L.L. Lyme.
<i>Pholidophorus Bechei</i> , <i>Ag</i> . ....	L.L. Lyme.
Coprolites of fish .....	U.L. Whitby.

## REPTILIA.

<i>Ichthyosaurus communis</i> , <i>Conyb</i> ...	L.L. Lyme.
<i>Ichthyosaurus platyodon</i> , <i>Conyb</i> ...	L.L. Lyme.
<i>Plesiosaurus dolichodeirus</i> , <i>Conyb</i> .	L.L. Lyme.
Saurian coprolites.....	L.L. Lyme.

## TRIASSIC SYSTEM.

"Bone-bed" of Axmouth, Aust, and Westbury on Severn  
(*Keuper*). ' .

Red marls and sandstone, with salt and gypsum (*Keuper*).

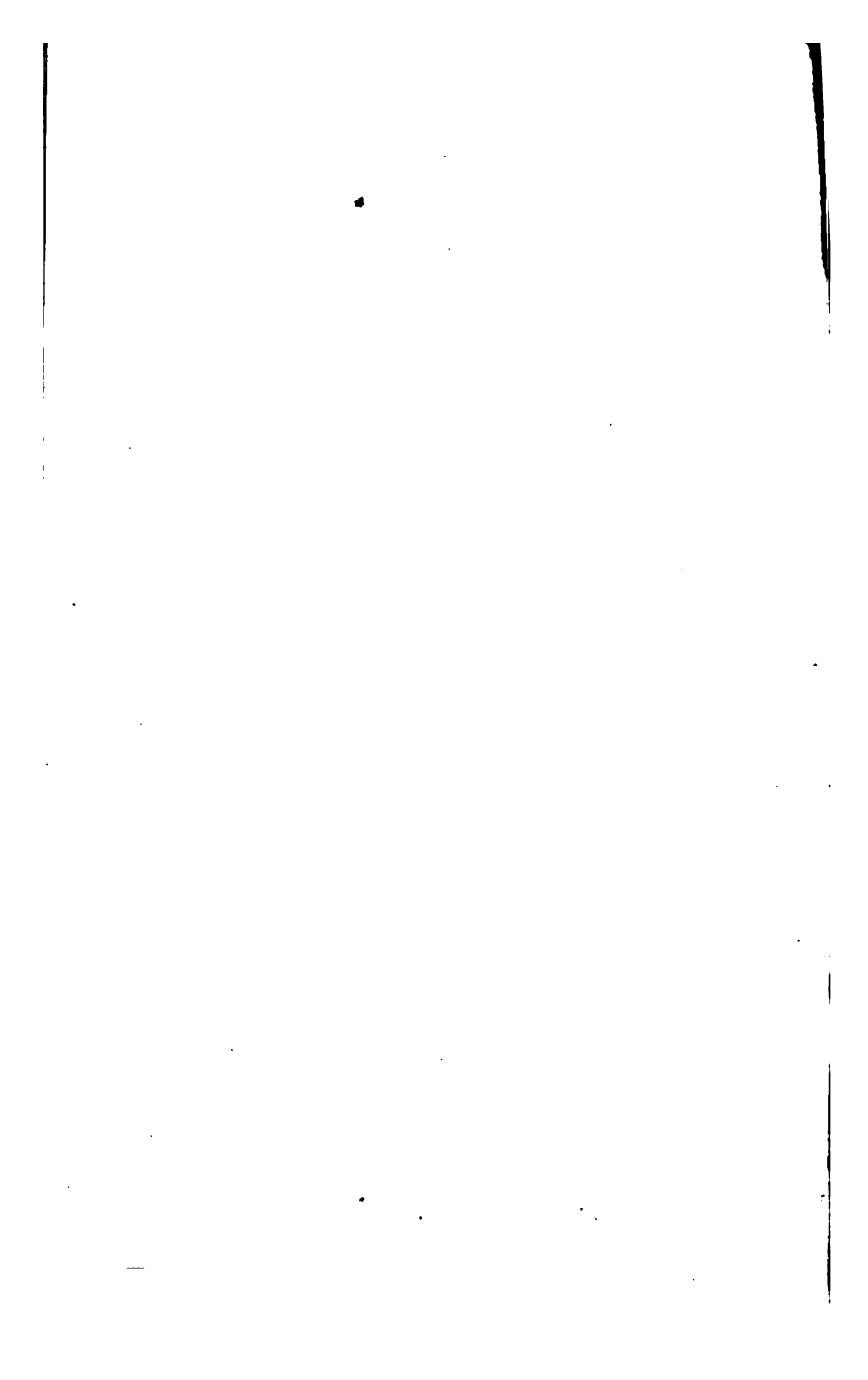
Muschelkalk of Brunswick and Bavaria.

New Red Sandstone (*Bunter Sandstein* of Germany).

## ENTOMOSTRACA.

? <i>Estheria</i> , <i>sp</i> . ....	Westbury.
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PISCES.

- ? *Hybodus raricostatus*..... Aust, near Bristol.  
 ? *Nemacanthus monilifer*..... Aust, near Bristol.  
 ? *Ceratodus*, sp. .... Westbury.  
 ? *Saurichthys apicalis* ..... Westbury.

REPTILIA.

- Rhynchosaurus articeps*, *Owen* (foot-print) ..... New Red S. Cheshire.

PERMIAN SYSTEM.

- Magnesian Limestone (*Kupfer-schiefer*).  
 Red marls of Manchester (*Roth-todt-liegende* of Germany).

BRYOZOA.

- Fenestella retiformis*, *Schl.*..... Durham.  
*Synocladia virgulacea*, *Phil.* .... Durham.

CONCHIFERA.

- Pleurophorus costatus*, *Brown* .... Manchester.  
*Edmondia elongata*, *Howse* ..... Durham.  
*Axinus obscurus*, *Sby.* ..... Leeds.  
*Arca striata*, *Schl.* ..... Durham.  
*Arca tumida*, *J. Sby.* ..... Durham.  
*Myalina squamosa*, *J. Sby.* ..... Durham.  
*Bakewellia antiqua*, *Münst.*..... Durham.  
*Monotis speluncaria*, *Schl.* ..... Durham.  
*Pecten pusillus*, *Schl.* ..... Durham.

BRACHIOPODA.

- Terebratula elongata*, *Schl.*..... Durham.  
*Spirifera multiplicata*, *J. Sby.*..... Durham.  
*Athyris pectinifera*, *J. Sby.*..... Durham.  
*Camarophoria Schlotheimi*, *Buch.*.. Durham.  
*Camarophoria Humbletonensis*, *Howse.*.. Durham.

- Strophalosia Goldfussi*, *Münst.*.... Durham.  
*Producta horrida*, *Sby.*..... Durham.

## GASTEROPODA.

- Turbo? Mancuniensis*, *Brown* .... Manchester.  
*Turbo helicinus*, *Schl.* ..... Durham.  
*Rissoa Gibsoni*, *Brown* ..... Manchester.

## PALÆOZOIC SERIES.

## CARBONIFEROUS SYSTEM.

## COAL-MEASURES.

## DICOTYLEDONOUS PLANTS.

- Sternbergia approximata*, *Artis* .. Yorkshire.

## GYMNOSPERMS.

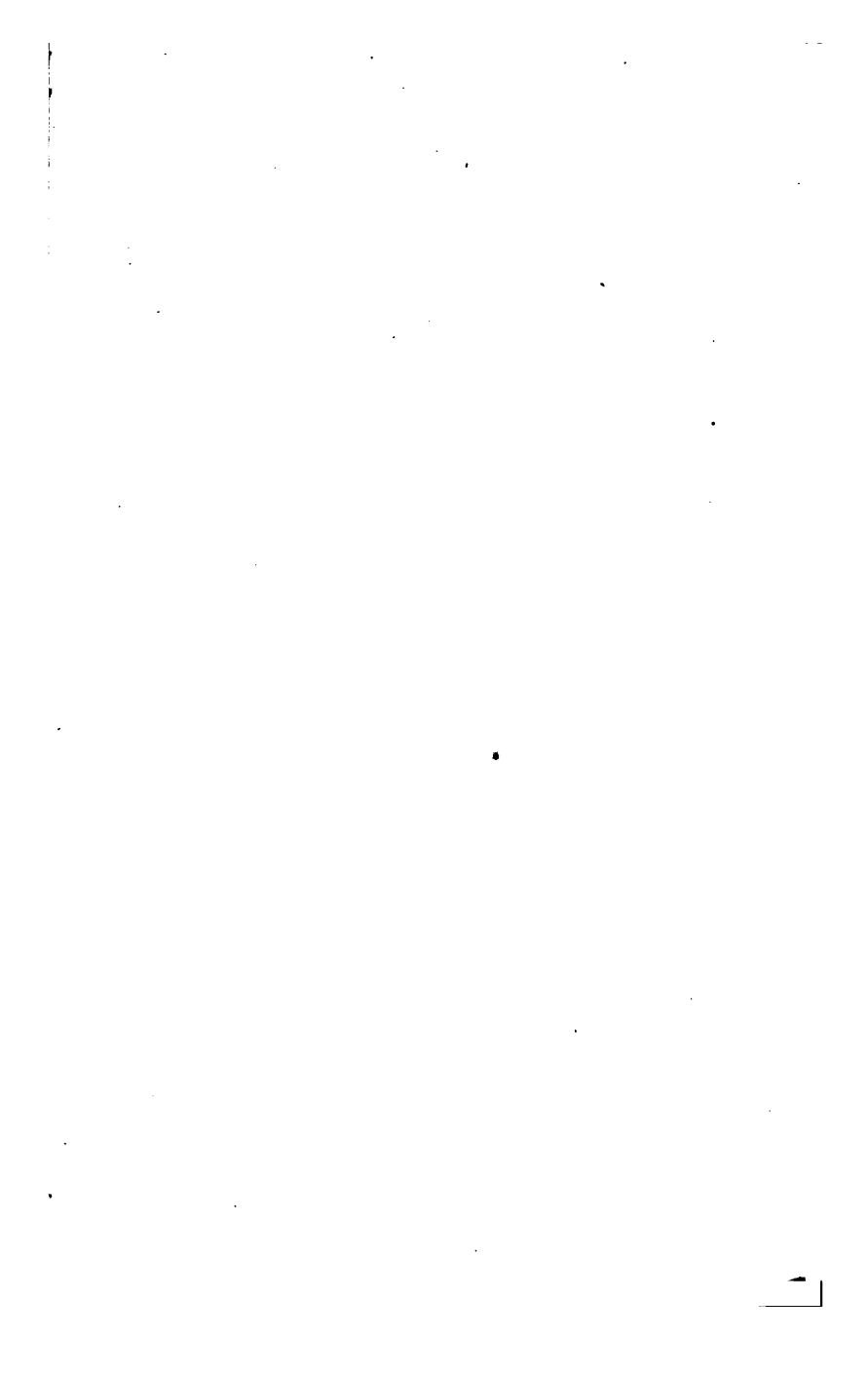
- Trigonocarpum olivæforme*, *L. & H.* Bolton.

## MONOCOTYLEDONES.

- Cyperites bicarinata*, *L. & H.* .... Newcastle.  
*Palmacites*..... Newcastle.

## PTEROIDES.

- Asterophyllites foliosus*, *L. & H.*... Newcastle.  
*Calamites approximatus*, *Ad. Br.*.. Somerset.  
*Calamites dubius*, *Ad. Br.* ..... Yorkshire.  
*Calamites undulatus*, *Ad. Br.* .... Wigan.  
*Calamites cannæformis*, *Schl.* .... Wigan.  
*Lepidodendron obovatum*, *Sternb.*.. Newcastle.  
*Lepidodendron Sternbergi*, *Ad. Br.* Newcastle.







- Lepidodendron elegans*, *Ad. Br.* .. Newcastle.  
*Lepidodendron gracile*, *L. & H.* .. Newcastle.  
*Lepidostrobus ornatus*, *Ad. Br.* .. Newcastle.  
*Lepidostrobus variabilis*, *L. & H.* .. Newcastle.  
*Ulodendron majus*, *L. & H.* ..... Newcastle.

FILICES.

- ? *Sigillaria tessellata*, *Ad. Br.* ... Newcastle.  
? *Stigmaria ficoides*, *Ad. Br.* ..... Newcastle.  
*Cyclopteris oblata*, *L. & H.* ..... Coalbrook Dale.  
*Cyclopteris obliqua*, *Ad. Br.* .... Coalbrook Dale.  
*Neuropteris flexuosa*, *Sternb.* .... Somerset.  
*Neuropteris gigantea*, *Sternb.*..... Newcastle.  
*Neuropteris heterophylla*, *Ad. Br.* Newcastle.  
*Neuropteris rotundifolia*, *Ad. Br.* .. Newcastle.  
*Sphenopteris crenulata*, *Ad. Br.* .. Dudley.  
*Sphenopteris serrata*, *L. & H.* ..... Yorkshire.  
*Sphenopteris artemisiæfolia*, *Sternb.* Burdie House.  
*Pecopteris laciniata*, *L. & H.* .... Salop.  
*Pecopteris nervosa*, *Ad. Br.*..... Newcastle.  
*Pecopteris pteroides*, *Ad. Br.* .... Somerset.  
*Pecopteris oreopteridis*, *Ad. Br.* .. Salop.  
*Pecopteris abbreviata*, *Ad. Br.* .. Somerset.  
*Alethopteris serra*, *L. & H.* ..... Salop.  
*Alethopteris heterophylla*, *L. & H.* .. Newcastle.  
*Alethopteris Mantelli*, *Ad. Br.*.... Newcastle.  
*Alethopteris lonchitica*, *Sternb.* .. Salop.  
*Alethopteris Serlii*, *Ad. Br.*..... Somerset.

CRUSTACEA.

- Limulus monoculus*, *Mart.* ..... Salop.

CONCHIFERA.

- Axinus sulcatus*, *J. Sby.* ..... Coalbrook Dale.  
*Anthracosia robusta*, *J. Sby.* .... Coalbrook Dale.  
*Anthracosia Urii*, *Flem.* ..... Coalbrook Dale.  
*Anthracosia centralis*, *J. Sby.*.... Coalbrook Dale.

- Anthracosia aquilina*, *J. Sby.* . . . . Coalbrook Dale.  
*Aviculopecten papyraceus*, *Goldf.* Leeds.

## BRACHIOPODA.

- Lingula squamiformis*, *Phil.* . . . . Coalbrook Dale.  
*Lingula mytiloides*, *J. Sby.* . . . . Coalbrook Dale.  
*Discina nitida*, *Phil.* . . . . Coalbrook Dale.  
*Spirifera bisulcata*, *Sby.* . . . . Coalbrook Dale.  
*Producta scabricula*, *Mart.* . . . . Glasgow.

## GASTEROPODA.

- Natica vetusta*, *J. Sby.* . . . . Coalbrook Dale.

## PTEROPODA.

- Conularia quadrisulcata*, *Sby.* . . . . Glasgow.  
*Conularia teres*, *Sby.* . . . . Glasgow.

## CEPHALOPODA.

- Nautilus clitellarius*, *J. Sby.* . . . . Coalbrook Dale.

## PISCES.

- Rhizodus Hibberti* (*Holoptychius*), *Ag.* Burdie House.  
*Megalichthys Hibberti*, *Ag.* . . . . Burdie House.

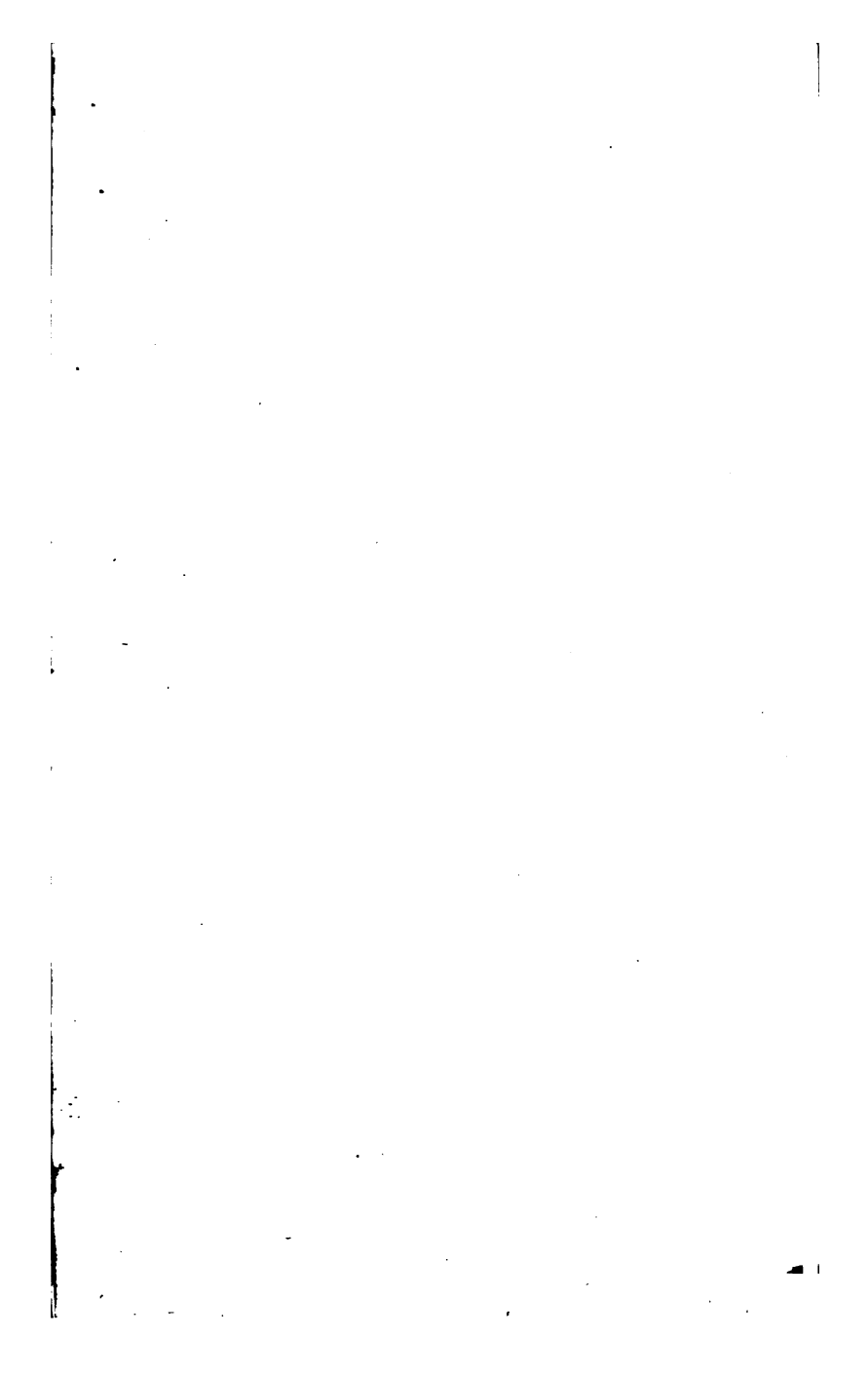
## CARBONIFEROUS LIMESTONE.

## ZOOPHYTA.

- Cyathophyllum Stutchburyi*, *M.-Edw.* Bristol.  
*Cyathophyllum regium*, *Phil.* . . . . Bristol.  
*Clisiophyllum turbinatum*, *M'Coy.* Bristol.  
*Clisiophyllum coniseptum*, *Keys.* . . . Derbyshire.  
*Zaphrentis cylindrica*, *Scouler.* . . . Ireland.  
*Amplexus coralloides*, *Sby.* . . . . Ireland.  
*Lithostrotion basaltiforme*, *Con.* . . . Ireland.









<i>Lonsdaleia floriformis</i> , <i>Mart.</i> . . . .	Bristol.
<i>Lithodendron affine</i> , <i>Flem.</i> . . . .	Derbyshire.
<i>Lithodendron fasciculatum</i> , <i>Flem.</i> . .	Derbyshire.
<i>Lithodendron junceum</i> , <i>Flem.</i> . . . .	Derbyshire.
<i>Michelinia megastoma</i> , <i>Phil.</i> . . . .	Kendal.
<i>Favosites parasitica</i> , <i>Phil.</i> . . . .	Lancashire.
<i>Syringopora geniculata</i> , <i>Phil.</i> . . . .	Lancashire.
<i>Syringopora ramulosa</i> , <i>Goldf.</i> . . . .	Lancashire.
<i>Syringopora reticulata</i> , <i>Goldf.</i> . . . .	Bristol.
<i>Alveolites depressus</i> , <i>Flem.</i> . . . .	Bristol.

## BRYOZOA.

<i>Pustulopora oculata</i> , <i>Phil.</i> . . . .	Ireland.
<i>Fenestella membranacea</i> , <i>Phil.</i> . . .	Ireland.
<i>Ptylopora pluma</i> , <i>M'Coy</i> . . . . .	Ireland.

## ECHINODERMATA.

<i>Actinocrinus amphora</i> , <i>Goldf.</i> . . . .	Bolland ; Kildare.
<i>Actinocrinus triacantadactylus</i> , <i>Mill.</i>	Frome ; Wexford.
<i>Actinocrinus polydactylus</i> , <i>Mill.</i> . .	Wexford.
<i>Actinocrinus globosus</i> , <i>Phil.</i> . . . .	Bolland.
<i>Platycrinus rugosus</i> , <i>Mill.</i> . . . .	Frome.
<i>Platycrinus lævis</i> , <i>Mill.</i> . . . . .	Frome.
<i>Platycrinus ellipticus</i> , <i>Phil.</i> . . . .	Bolland.
<i>Poteriocrinus tenuis</i> , <i>Mill.</i> . . . . .	Frome ; Wexford.
<i>Rhodocrinus mamillaris</i> , <i>Phil.</i> . . . .	Bolland.
<i>Pentremites ellipticus</i> , <i>Sby.</i> . . . .	Bolland.
<i>Pentremites Derbiensis</i> , <i>Sby.</i> . . . .	Derbyshire.
<i>Pentremites angulatus</i> , <i>Sby.</i> . . . .	Bolland.
<i>Archæocidaris Urii</i> , <i>Flem.</i> . . . . .	Ireland.

## ANELLIDA.

<i>Serpulites membranaceus</i> , <i>M'Coy</i> . .	Ireland.
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## CRUSTACEA.

<i>Entomoconchus Scouleri</i> , <i>M'Coy</i> . .	Ireland.
<i>Phillipsia seminifera</i> , <i>Phil.</i> . . . .	Derby ; Ireland.
<i>Griffithsia globiceps</i> , <i>Phil.</i> . . . .	Ireland.

## CONCHIFERA.

<i>Sanguinolites iridinoides</i> , <i>M'Coy</i> .	Ireland.
<i>Myacites sulcatus</i> , <i>Flem.</i> . . . . .	Lanark.
<i>Leptodomus senilis</i> , <i>Phil.</i> . . . . .	Ireland.
<i>Leptodomus costellatus</i> , <i>M'Coy</i> ..	Lanark.
<i>Cardiomorpha corrugata</i> , <i>M'Coy</i> ..	Ireland.
<i>Cardiomorpha oblonga</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Cypricardia rhombea</i> , <i>Phil.</i> . . . . .	Ireland.
<i>Cypricardia scalaris</i> ( <i>Venerupis</i> ), <i>M'Coy</i> .:	Ireland.
<i>Conocardium Hibernicum</i> , <i>Sby.</i> . . . .	Dublin.
<i>Conocardium aliforme</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Lithodomus</i> ? <i>dactyloides</i> , <i>M'Coy</i> ..	Ireland.
<i>Myalina Flemingii</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Nucula gibbosa</i> , <i>Flem.</i> . . . . .	Glasgow.
<i>Leda clavata</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Posidonomya tuberculata</i> , <i>J. Sby.</i> ..	Northumberland.
<i>Ambonychia vetusta</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Avicula recta</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Aviculopecten rigidus</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Aviculopecten Forbesii</i> , <i>M'Coy</i> ..	Ireland.
<i>Aviculopecten granosus</i> , <i>Sby.</i> . . . .	Ireland.
<i>Pecten Sowerbyi</i> , <i>M'Coy</i> . . . . .	Ireland.

## BRACHIOPODA.

<i>Discina Ryckholtii</i> , <i>Kon.</i> . . . . .	Ireland.
<i>Lingula elliptica</i> , <i>Phil.</i> . . . . .	Derby.
<i>Terebratula sacculus</i> , <i>Mart.</i> . . . . .	Preston ; Ireland.
<i>Terebratula hastata</i> , <i>Sby.</i> . . . . .	Ashford.
<i>Rhynchonella pleurodon</i> , <i>Phil.</i> . . . .	Preston ; Ashford.
<i>Rhynchonella angulata</i> , <i>L.</i> . . . . .	Preston.
<i>Rhynchonella pugnus</i> , <i>Mart.</i> . . . .	Preston.
<i>Rhynchonella reniformis</i> , <i>Sby.</i> . . . .	Preston ; Ireland.
<i>Rhynchonella cordiformis</i> , <i>Sby.</i> ..	Preston.
<i>Rhynchonella acuminata</i> , <i>Mart.</i> ..	Preston.
<i>Athyris ambigua</i> , <i>Sby.</i> . . . . .	Preston ; Ashford.
<i>Athyris Roissyi</i> , <i>Lév.</i> . . . . .	Wexford.
<i>Spirifera cuspidata</i> , <i>Mart.</i> . . . . .	Ireland.







<i>Spirifera distans</i> , <i>Sby.</i> . . . . .	Preston.
<i>Spirifera reticulata</i> , <i>M'Coy</i> . . . . .	Preston ; Ireland.
<i>Spirifera imbricata</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Spirifera lineata</i> , <i>Mart.</i> . . . . .	Preston.
<i>Spirifera glabristria</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Spirifera decora</i> , <i>Phil.</i> . . . . .	Preston.
<i>Spirifera glabra</i> , <i>Mart.</i> . . . . .	Preston ; Ashford ; Ireland.
<i>Spirifera trigonalis</i> , <i>Mart.</i> . . . . .	Derby.
<i>Spirifera pinguis</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Spirifera pinguis</i> , var. <i>rotundata</i> , <i>Sby.</i> . . . . .	Ireland ; Preston.
<i>Spirifera bisulcata</i> , <i>Sby.</i> . . . . .	Preston.
<i>Spirifera triangularis</i> , <i>Sby.</i> . . . . .	Preston.
<i>Spirifera attenuata</i> , <i>Sby.</i> . . . . .	Ireland ; Preston.
<i>Spirifera striata</i> , <i>Mart.</i> . . . . .	Ireland.
<i>Spirifera striata</i> , var. <i>princeps</i> , <i>M'Coy.</i> . . . . .	Ireland.
<i>Spirifera duplicicosta</i> , <i>Phil.</i> . . . . .	Preston.
<i>Orthis resupinata</i> , <i>Mart.</i> . . . . .	Ireland ; Ashford ; Breedon.
<i>Orthis gibbera</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Orthis Michelini</i> , <i>Lév.</i> . . . . .	Lanark.
<i>Streptorhynchus senilis</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Leptæna analoga</i> , <i>Phil.</i> . . . . .	Ireland.
<i>Leptæna distorta</i> , <i>J. Sby.</i> . . . . .	Preston.
<i>Chonetes sordida</i> , <i>J. Sby.</i> . . . . .	Lanark ; Ashford.
<i>Producta gigantea</i> , <i>Mart.</i> . . . . .	Preston.
<i>Producta Scotica</i> , <i>Sby.</i> . . . . .	Ashford.
<i>Producta striata</i> , <i>Fisch.</i> . . . . .	Lilleshall, Salop.
<i>Producta Cora</i> , <i>D'Orb.</i> . . . . .	Preston.
<i>Producta scabricula</i> , <i>Mart.</i> . . . . .	Ireland.
<i>Producta semireticulata</i> , <i>Mart.</i> . . . . .	Ireland.
<i>Producta punctata</i> , <i>Mart.</i> . . . . .	Ireland ; Ashford.

## GASTEROPODA.

<i>Pleurotomaria conica</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Pleurotomaria decussata</i> , <i>M'Coy.</i> . . . . .	Ashford.
<i>Pleurotomaria Sowerbyi</i> , <i>Kon.</i> . . . . .	Ashford.
<i>Pleurotomaria carinata</i> , <i>Sby.</i> . . . . .	Preston ; Lancashire.
<i>Pleurotomaria carinata</i> , var. <i>flammigera</i> , <i>Phil.</i> . . . . .	Preston.

<i>Pleurotomaria sculpta</i> , <i>Phil.</i> . . . .	Ashford ; Derbyshire.
<i>Pleurotomaria monilifera</i> , <i>Phil.</i> ..	Ashford.
<i>Pleurotomaria expansa</i> , <i>Phil.</i> ....	Preston.
<i>Pleurotomaria sulcata</i> , <i>Phil.</i> . . . .	Ashford.
<i>Pleurotomaria tornatilis</i> , <i>Phil.</i> . . .	Preston.
<i>Pleurotomaria multicarinata</i> , <i>M'Coy</i> ..	Ireland.
<i>Platyschisma helicoides</i> , <i>Sby.</i> ....	Ireland.
<i>Platyschisma ovoidea</i> , <i>Phil.</i> . . . .	Preston.
<i>Platyschisma cirroides</i> , <i>M'Coy</i> ..	Ireland.
<i>Platyschisma tiara</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Phanerotinus cristatus</i> , <i>Sby.</i> ....	Ireland.
<i>Euomphalus catillus</i> , <i>Sby.</i> . . . . .	Preston.
<i>Euomphalus pentangulatus</i> , <i>Sby.</i> ..	Ireland.
<i>Euomphalus pugilis</i> , <i>J. Sby.</i> ....	Ireland.
<i>Euomphalus pileopsideus</i> , <i>Phil.</i> ..	Ireland.
<i>Euomphalus</i> ? <i>fallax</i> , <i>Kon.</i> . . . .	Ashford.
<i>Euomphalus Dionysii</i> , <i>Goldf.</i> ....	Ashford.
<i>Euomphalus planorbis</i> , <i>Vern.</i> ....	Ashford.
<i>Turbo biserialis</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Murchisonia angulata</i> , <i>Phil.</i> . . . .	Ashford.
<i>Murchisonia melanioides</i> , <i>Kon.</i> . . .	Ashford.
<i>Murchisonia quadricarinata</i> , <i>M'Coy</i>	Ashford.
<i>Trochita</i> ? <i>prisca</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Trochita lævigata</i> , <i>M'Coy.</i> . . . . .	Ireland.
<i>Trochita limbata</i> , <i>Phil.</i> . . . . .	Ireland.
<i>Pileopsis</i> ( <i>Acroculia</i> ) <i>vetusta</i> , <i>J. Sby.</i> ..	Preston.
<i>Pileopsis neritoides</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Pileopsis ampliata</i> ( <i>Natica</i> ), <i>Phil.</i>	Ashford.
<i>Metoptoma pileus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Natica canaliculata</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Natica elliptica</i> , <i>Phil.</i> . . . . .	Ireland.
<i>Loxonema impendens</i> , <i>M'Coy</i> . . . .	Ireland.
<i>Loxonema subulata</i> , <i>Rcm.</i> . . . . .	Preston.
<i>Loxonema constricta</i> , <i>Sby.</i> . . . . .	Ashford.
<i>Macrocheilus imbricatus</i> , <i>Sby.</i> . . . .	Ireland.
<i>Macrocheilus Phillipsii</i> , <i>D'Orb.</i> ..	Ireland.
<i>Macrocheilus ovalis</i> , <i>M'Coy</i> . . . . .	Ashford.





<i>Macrocheilus rectilineus</i> , <i>Phil.</i> . . .	Ashford.
<i>Macrocheilus sigmalineus</i> , <i>Phil.</i> . .	Ireland.
<i>Bellerophon cornu-arietis</i> , <i>Sby.</i> . . .	Derbyshire.
<i>Bellerophon tenuifascia</i> , <i>Phil.</i> . . . .	Preston.
<i>Bellerophon apertus</i> , <i>J. Sby.</i> . . . .	Preston.
<i>Bellerophon costatus</i> , <i>J. Sby.</i> . . . .	Preston.
<i>Bellerophon Uriei</i> , <i>Flem.</i> . . . . .	Lanark.
<i>Porcellia Puzosi</i> , <i>Lév.</i> . . . . .	Derbyshire.
<i>Porcellia Woodwardi</i> , <i>Sby.</i> . . . . .	Derbyshire.

## CEPHALOPODA.

<i>Goniatites furcatus</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Goniatites Gibsoni</i> , <i>Phil.</i> . . . . .	Hebden Bridge.
<i>Goniatites Looneyi</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Goniatites Gilbertsoni</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites implicatus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites platylobus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites reticulatus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites vittiger</i> , <i>Phil.</i> . . . . .	Ashford.
<i>Goniatites Listeri</i> , <i>Mart.</i> . . . . .	Preston.
<i>Goniatites striatus</i> , <i>Sby.</i> . . . . .	Preston ; Ashford.
<i>Goniatites crenistria</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites sphæricus</i> , <i>Mart.</i> . . . . .	Preston ; Derbyshire.
<i>Goniatites obtusus</i> , <i>Phil.</i> . . . . .	Preston ; Derbyshire.
<i>Goniatites truncatus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Goniatites Brownii</i> , <i>M'Coy</i> . . . . .	Ireland.
<i>Goniatites ovatus</i> , <i>Sby.</i> . . . . .	Ireland.
<i>Nautilus cariniferus</i> , <i>J. Sby.</i> . . . .	Ireland.
<i>Nautilus globatus</i> , <i>J. Sby.</i> . . . . .	Ireland.
<i>Nautilus ingens</i> , <i>Mart.</i> . . . . .	Ireland.
<i>Nautilus subsulcatus</i> , <i>Phil.</i> . . . . .	Preston.
<i>Nautilus biangulatus</i> , <i>J. Sby.</i> . . . .	Preston.
<i>Nautilus tetragonus</i> , <i>Phil.</i> . . . . .	Lanark.
<i>Cyrtoceras tuberculatum</i> , <i>M'Coy</i> . .	Ireland.
<i>Cyrtoceras rugosum</i> , <i>Flem.</i> . . . . .	Northumberland.
<i>Orthoceras annulare</i> , <i>Flem.</i> . . . . .	Lanark.
<i>Orthoceras cinctum</i> , <i>J. Sby.</i> . . . . .	Preston.

<i>Orthoceras inæquisseptum</i> , <i>Phil.</i> ..	Preston.
<i>Orthoceras striatum</i> , <i>Sby</i> .....	Ireland.
<i>Orthoceras unguis</i> , <i>Phil.</i> .....	Ireland.
<i>Apioceras fusiforme</i> , <i>J. Sby</i> .....	Ireland.
<i>Actinoceras giganteum</i> , <i>Sby</i> .....	Ireland.

## PISCES.

<i>Psammodus porosus</i> , <i>Ag.</i> .....	Armagh.
<i>Psammodus rugosus</i> , <i>Ag.</i> .....	Armagh.
<i>Psammodus cornutus</i> , <i>Ag.</i> .....	Armagh.
<i>Cochliodus magnus</i> , <i>Ag.</i> .....	Armagh.
<i>Cochliodus contortus</i> , <i>Ag.</i> .....	Bristol.
<i>Cochliodus oblongus</i> , <i>Ag.</i> .....	Armagh.
<i>Helodus lævissimus</i> , <i>Ag.</i> .....	Bristol.
<i>Helodus mamillaris</i> , <i>Ag.</i> .....	Armagh.
<i>Ctenoptychius macrodus</i> , <i>Ag.</i> ....	Derbyshire.
<i>Cladodus striatus</i> , <i>Ag.</i> .....	Armagh.
<i>Cladodus Hibberti</i> , <i>Ag.</i> .....	Burdie House.
<i>Petalodus Hastingsiæ</i> , <i>Owen</i> ....	Armagh.
<i>Petalodus radicans</i> , <i>Ag.</i> .....	Armagh.
<i>Orodus ramosus</i> , <i>Ag.</i> .....	Bristol.
<i>Gyracanthus formosus</i> , <i>Ag.</i> .....	Lanark.
<i>Gyrolepis Rankinei</i> , <i>Ag.</i> .....	Lanark.
<i>Megalichthys Hibberti</i> , <i>Ag.</i> .....	Burdie House.

## DEVONIAN SYSTEM.

## ZOOPHYTA.

<i>Heliolites porosa</i> , <i>Goldf.</i> .....	Torquay.
<i>Favosites Goldfussi</i> , <i>M.-Edw.</i> ....	Torquay.
<i>Favosites cervicornis</i> , <i>M.-Edw.</i> ....	Torquay.
<i>Favosites fibrosa</i> , <i>Lonsd.</i> .....	Torquay.
<i>Alveolites Battersbyi</i> , <i>M.-Edw.</i> ..	Torquay.











<i>Alveolites suborbicularis</i> , <i>Lam.</i> ..	Torquay.
<i>Alveolites vermicularis</i> , <i>M'Coy</i> ..	Torquay.
<i>Amplexus tortuosus</i> , <i>Phil.</i> .....	Torquay.
<i>Petraia Celtica</i> , <i>Lonsd.</i> .....	Petherwin.
<i>Cyathophyllum Rœmeri</i> , <i>M.-Edw.</i> ..	Newton.
<i>Cyathophyllum helianthoides</i> , <i>Goldf.</i> ..	Torquay.
<i>Cyathophyllum cæspitosum</i> , <i>Goldf.</i> ..	Torquay.
<i>Cyathophyllum Boloniense</i> , <i>Bl.</i> ..	Torquay.
<i>Acervularia limitata</i> , <i>M.-Edw.</i> ..	Torquay.
<i>Acervularia Battersbyi</i> , <i>M.-Edw.</i> ..	Torquay.
<i>Acervularia pentagona</i> , <i>Goldf.</i> ..	Torquay.
<i>Acervularia Goldfussi</i> , <i>M.-Edw.</i> ..	Torquay.
<i>Acervularia intercellulosa</i> , <i>M.-Edw.</i> ..	Torquay.
<i>Smithia Hennahii</i> , <i>Lonsd.</i> .....	Torquay.
<i>Smithia Pengellyi</i> , <i>M.-Edw.</i> .....	Torquay.
<i>Cystiphyllum vesiculosum</i> , <i>Phil.</i> ..	Torquay.

## BRYOZOA.

? <i>Caunopora placenta</i> , <i>Lonsd.</i> .....	Torquay.
? <i>Stromatopora concentrica</i> , <i>Goldf.</i> ..	Torquay.
<i>Stromatopora polymorpha</i> , <i>Goldf.</i> ..	Torquay.
<i>Fenestella antiqua</i> , <i>Goldf.</i> .....	South Petherwin.

## CRINOIDEA.

<i>Hexacrinus interscapuloides</i> , <i>Phil.</i> ..	Newton.
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## CRUSTACEA.

<i>Proetus</i> , sp. ....	Torquay.
<i>Cheirurus articulatus</i> , <i>Münst.</i> ..	Torquay ; S. Petherwin.
<i>Bronteus flabellifer</i> , <i>Goldf.</i> .....	Torquay.

## LAMELLIBRANCHIATA.

<i>Conocardium minax</i> , <i>Phil.</i> .....	Torquay.
<i>Conocardium aliforme</i> , <i>J. Sby.</i> ..	Torquay.
<i>Cypriocardia semisulcata</i> , <i>Phil.</i> ..	South Petherwin.
<i>Cucullæa angusta</i> , <i>J. Sby.</i> .....	South Petherwin.

## BRACHIOPODA.

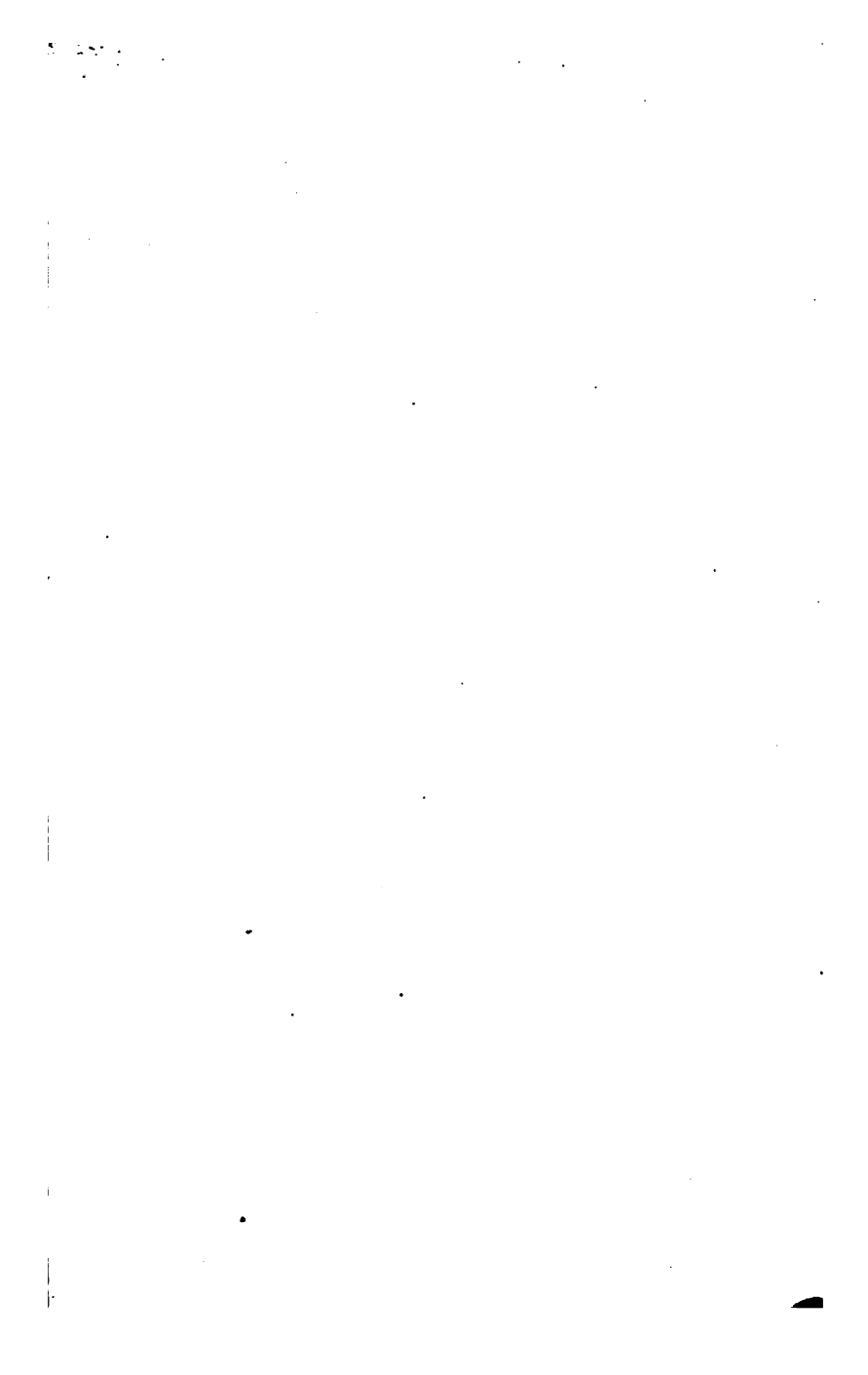
<i>Terebratula virgo</i> , <i>Phil.</i> . . . . .	Torquay.
<i>Terebratula juvenis</i> , <i>J. Sby.</i> . . . .	Torquay.
<i>Rhynchonella cuboides</i> , <i>J. Sby.</i> . .	Torquay.
<i>Rhynchonella bifera</i> , <i>Phil.</i> . . . .	Torquay.
<i>Rhynchonella proboscidalis</i> , <i>Phil.</i> .	Torquay.
<i>Rhynchonella compta</i> , <i>Phil.</i> . . . .	Torquay.
<i>Rhynchonella anisodonta</i> , <i>Phil.</i> . .	Torquay.
<i>Rhynchonella subdentata</i> , <i>J. Sby.</i> .	Torquay
<i>Pentamerus globus</i> , <i>Bronn</i> . . . . .	Torquay.
<i>Atrypa reticularis</i> , <i>L.</i> . . . . .	Torquay.
<i>Atrypa desquamata</i> , <i>J. Sby.</i> . . . .	Torquay.
<i>Atrypa aspera</i> , <i>Schl.</i> . . . . .	Torquay.
<i>Retzia ferita</i> , <i>Buch</i> . . . . .	Torquay.
<i>Merista scalprum</i> , <i>Ræmer</i> . . . . .	Torquay.
<i>Cyrtia heteroclyta</i> , <i>Defr.</i> . . . . .	Torquay.
<i>Spirifera nuda</i> , <i>J. Sby.</i> . . . . .	Torquay.
<i>Spirifera oblata</i> , <i>Sby.</i> . . . . .	Torquay.
<i>Spirifera disjuncta</i> , <i>J. Sby.</i> . . . .	Torquay ; S. Petherwin.
<i>Spirifera calcarata</i> , <i>J. Sby.</i> . . . .	South Petherwin.
<i>Spirifera gigantea</i> , <i>J. Sby.</i> . . . .	South Petherwin.
<i>Orthis hysterita</i> , <i>L.</i> . . . . .	South Petherwin.
<i>Orthis interlineata</i> , <i>J. Sby.</i> . . . .	South Petherwin.
<i>Orthis parallela</i> , <i>Phil.</i> . . . . .	South Petherwin.
<i>Strophomena nodulosa</i> , <i>Phil.</i> . . . .	Torquay.
<i>Strophomena analoga</i> , <i>Phil.</i> . . . .	Torquay.
<i>Strophomena membranacea</i> , <i>Phil.</i> .	South Petherwin.
<i>Producta caperata</i> , <i>J. Sby.</i> . . . .	South Petherwin.

## GASTEROPODA.

<i>Acroculia sigmoidalis</i> , <i>Phil.</i> . . . .	Torquay.
<i>Euomphalus circularis</i> , <i>Phil.</i> . . . .	Newton.
<i>Macrocheilus imbricatus</i> , <i>J. Sby.</i> . .	Torquay.
<i>Turbo texatus</i> , <i>Phil.</i> . . . . .	Torquay.
<i>Loxonema sinuosa</i> , <i>Phil.</i> . . . . .	South Petherwin.

## CEPHALOPODA.

<i>Goniatites vinctus</i> , <i>J. Sby.</i> . . . .	South Petherwin.
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<i>Goniatites mixolobus</i> , <i>Phil.</i> . . . . .	South Petherwin.
<i>Goniatites linearis</i> , <i>Münst.</i> . . . . .	South Petherwin.
<i>Clymenia lævigata</i> , <i>Münst.</i> . . . . .	South Petherwin.
<i>Clymenia linearis</i> , <i>Münst.</i> . . . . .	South Petherwin.
<i>Clymenia fasciata</i> , <i>Phil.</i> . . . . .	South Petherwin.
<i>Clymenia sagittalis</i> , <i>Phil.</i> . . . . .	Torquay.
<i>Orthoceras cinctum</i> , <i>J. Sby.</i> . . . . .	Newton.

## PISCES.

<i>Osteolepis major</i> , <i>Ag.</i> . . . . .	Lethen-bar, Moray.
<i>Dipterus macrolepidotus</i> , <i>Sedgw.</i> . . . . .	Caithness.
<i>Cheirolepis uragus</i> , <i>Ag.</i> . . . . .	Gamrie.
<i>Glyptolepis leptopterus</i> , <i>Ag.</i> . . . . .	Lethen.
<i>Diplacanthus</i> , <i>sp.</i> . . . . .	Lethen.
<i>Diplopterus affinis</i> , <i>Ag.</i> . . . . .	Gamrie.
<i>Coccosteus cuspidatus</i> , <i>Ag.</i> . . . . .	Gamrie.
<i>Coccosteus decipiens</i> , <i>Ag.</i> . . . . .	Caithness.
<i>Coccosteus oblongus</i> , <i>Ag.</i> . . . . .	Lethen.
<i>Pterichthys</i> , <i>sp.</i> . . . . .	Lethen.
<i>Holoptychius Flemingii</i> , <i>Ag.</i> . . . . .	Dura Den.
<i>Asterolepis</i> , <i>sp.</i> . . . . .	Elgin.

## SILURIAN SYSTEM.

A.—UPPER SILURIAN. (“Murchisonien,” *D’Orb.*)

U.L.	Upper Ludlow Rock.
Aym.	Aymestry Limestone.
L.L.	Lower Ludlow Rock.
W.L.	Wenlock Limestone.
W.Sh.	Wenlock Shale.
Mh.S.	May Hill Sandstone.

## ZOOPHYTA.

<i>Palæocyclus porpita</i> , <i>L.</i> . . . . .	W.L. Dudley.
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<i>Palaeocyclus Fletcheri</i> , <i>M.-Edw.</i> . . .	W.L. Dudley.
<i>Palaeocyclus rugosus</i> , <i>M.-Edw.</i> . . . .	W.L. Dudley.
<i>Heliolites interstincta</i> , <i>Wahl.</i> . . . .	W.L. Dudley.
<i>Heliolites inordinata</i> , <i>Lonsd.</i> . . . .	W.L. Wenlock.
<i>Heliolites scita</i> ( <i>Plasmopora</i> ), <i>M.-Edw.</i> .	W.L. Dudley.
<i>Favosites Gothlandica</i> , <i>Lam.</i> . . . .	Aym.L. Aymestry.
<i>Favosites Forbesii</i> , <i>M.-Edw.</i> . . . .	W.L. Dudley.
<i>Favosites aspera</i> , <i>D'Orb.</i> . . . . .	W.L. Dudley.
<i>Favosites Hisingeri</i> , <i>M.-Edw.</i> . . . .	W.L. Dudley.
<i>Favosites cristata</i> , <i>Blumenb.</i> . . . .	W.L. Dudley.
<i>Favosites fibrosa</i> , <i>Lonsd.</i> . . . . .	L.L. Sedgely.
<i>Alveolites Grayi</i> , <i>M.-Edw.</i> . . . . .	W.L. Dudley.
<i>Alveolites Labechei</i> , <i>M.-Edw.</i> . . . .	W.L. Dudley.
<i>Alveolites repens</i> , <i>Lonsd.</i> . . . . .	W.L. Dudley.
<i>Monticulipora Fletcheri</i> , <i>M.-Edw.</i> .	W.L. Dudley.
<i>Monticulipora papillata</i> ( <i>Nebulipora</i> ), <i>M'Coy</i> . . . . .	W.L. Dudley.
<i>Monticulipora pulchella</i> , <i>M.-Edw.</i> .	W.L. Dudley.
<i>Labecheia conferta</i> , <i>Lonsd.</i> . . . .	W.L. Dudley.
<i>Halysites catenulatus</i> , <i>L.</i> . . . . .	W.L. Dudley.
<i>Syringopora bifurcata</i> , <i>Lonsd.</i> . . . .	W.L. Dudley.
<i>Syringopora serpens</i> , <i>L.</i> . . . . .	W.L. Dudley.
<i>Cœnites intertextus</i> , <i>Eichw.</i> . . . .	W.L. Dudley.
<i>Cœnites juniperinus</i> , <i>Eichw.</i> . . . .	W.L. Dudley.
<i>Thecia Grayana</i> , <i>M.-Edw.</i> . . . . .	W.L. Dudley.
<i>Thecia Swindernana</i> , <i>Goldf.</i> . . . .	W.L. Dudley.
<i>Cyathophyllum pseudoceratites</i> , <i>M'Coy.</i> .	W.L. Dudley.
<i>Cyathophyllum truncatum</i> , <i>L.</i> . . . .	W.L. Dudley.
<i>Cyathophyllum articulatum</i> , <i>Wahl.</i> .	W.L. Dudley.
<i>Cyathophyllum flexuosum</i> , <i>Linn.</i> . .	W.L. Wenlock.
<i>Omphyra Murchisoni</i> , <i>M.-Edw.</i> . .	W.L. Dudley.
<i>Omphyra turbinatum</i> , <i>L.</i> . . . . .	W.L. Wenlock.
<i>Omphyra subturbinatum</i> , <i>M.-Edw.</i> .	W.L. Wenlock.
<i>Ptychophyllum patellatum</i> , <i>Schl.</i> .	W.L. Wenlock.
<i>Acervularia luxurians</i> , <i>M.-Edw.</i> . .	W.L. Dudley.
<i>Arachnophyllum typus</i> , <i>M'Coy</i> . .	W.L. Wenlock.





## BRYOZOA.

? Spongarium, sp. ....	L. Kendal.
? Stromatopora concentrica, Goldf. ....	W.L. Dudley.
Ptilodictya lanceolata, Lonsd. ....	W.L. Tortworth.
Ptilodictya scalpellum (Eschara), Lonsd. ....	W.L. Dudley.
Fenestella prisca, Goldf. ....	W.L. Dudley.
Fenestella reticulata, Lonsd. ....	W.L. Dudley.
? Cnemidium tenue, Lonsd. ....	W.L. Dudley.
Glauconome disticha, Goldf. ....	W.L. Dudley.
Ceriopora granulosa, Goldf. ....	W.L. Dudley.

## CRINOIDEA.

Crotalocrinus rugosus, Mill. ....	W.L. Dudley.
Cyathocrinus goniodactylus, Phil. .	W.L. Dudley.
Cyathocrinus capillaris, Phil. ....	W.L. Dudley.
Taxocrinus tuberculatus, Mill. ....	W.L. Dudley.
Sagenocrinus expansus, Phil. ....	W.L. Dudley.
Periechocrinus moniliformis, Mill.	W.L. Dudley.
Actinocrinus retiarius, Phil. ....	W.L. Dudley.
Actinocrinus simplex, Phil. ....	W.L. Dudley.
Eucalyptocrinus decorus, Phil. ....	W.L. Dudley.

## ASTERIADÆ.

Palæaster hirudo, Forbes ....	L. Kendal.
Palæocoma Marstoni, Salter ....	L.L. Leintwardine.
Protaster Miltoni, Salter ....	L.L. Leintwardine.
Protaster leptosoma, Salter ....	L.L. Leintwardine.

## CRUSTACEA.

Calymene Blumenbachii, Al. Brong.	W.L. Dudley.
Calymene tuberculosa, Salter. ....	W.Sh. Burrington.
Encrinurus punctatus, Brunn. ....	W.L. Dudley.
Phacops Downingiæ, Murch. ....	W.L. Dudley.
Phacops caudatus, Brunn. ....	W.L. Dudley.
Phacops longicaudatus, Murch. . .	W.Sh. Salop.
Illænus Barriensis, Murch. ....	W.L. Hay Head.

- Homalonotus delphinocephalus*, *Green.* . . . W.L. Dudley.  
*Homalonotus Knightii*, *König* . . . . . L.L. Herefordshire.  
*Proetus latifrons*, *M'Coy* . . . . . W.L. Dudley.  
*Acidaspis Brightii*, *Murch.* . . . . . W.L. Dudley.

## ANELLIDA.

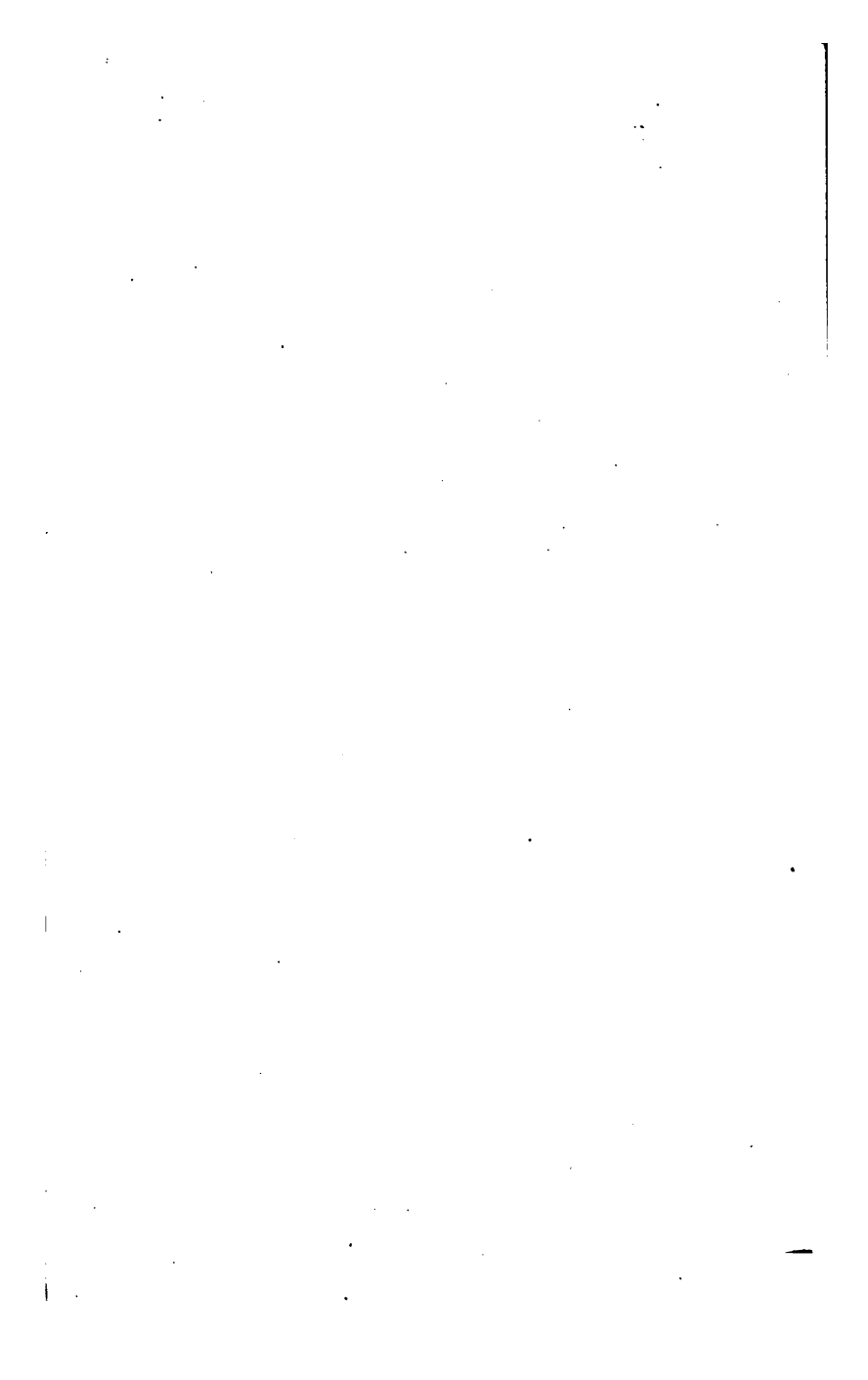
- Serpulites longissimus*, *Murch.* . . . U.L. Ludlow.  
*Tentaculites ornatus*, *J. Sby.* . . . W.L. Dudley.  
? *Trachyderma coriacea*, *Phil.* . . . L. Ledbury.  
*Cornulites serpularius*, *Schl.* . . . W.L. Dudley.

## CONCHIFERA.

- Cypriocardia solenoides*, *J. Sby.* . . . L. Kendal.  
*Sanguinolites amygdalinus*, *J. Sby.* . . U.L. Herefordshire.  
*Sanguinolites undatus*, *J. Sby.* . . . U.L. Herefordshire.  
*Sanguinolites retusus*, *J. Sby.* . . . U.L. Herefordshire.  
*Sanguinolites impressus*, *J. Sby.* . . U.L. Herefordshire.  
*Sanguinolites complanatus*, *J. Sby.* . L. Kendal.  
*Orthonota*, sp. . . . . L. Kendal.  
*Cardiola interrupta*, *J. Sby.* . . . . L.L. Mochtre Hill.  
*Cardium striatum*, *J. Sby.* . . . . W.L. Dudley.  
*Grammysia triangulata*, *Salter* . . L. Kendal.  
*Avicula lineatula*, *J. Sby.* . . . . W.L. Dudley.  
*Avicula Danbyi*, *M'Coy.* . . . . . L. Kendal.

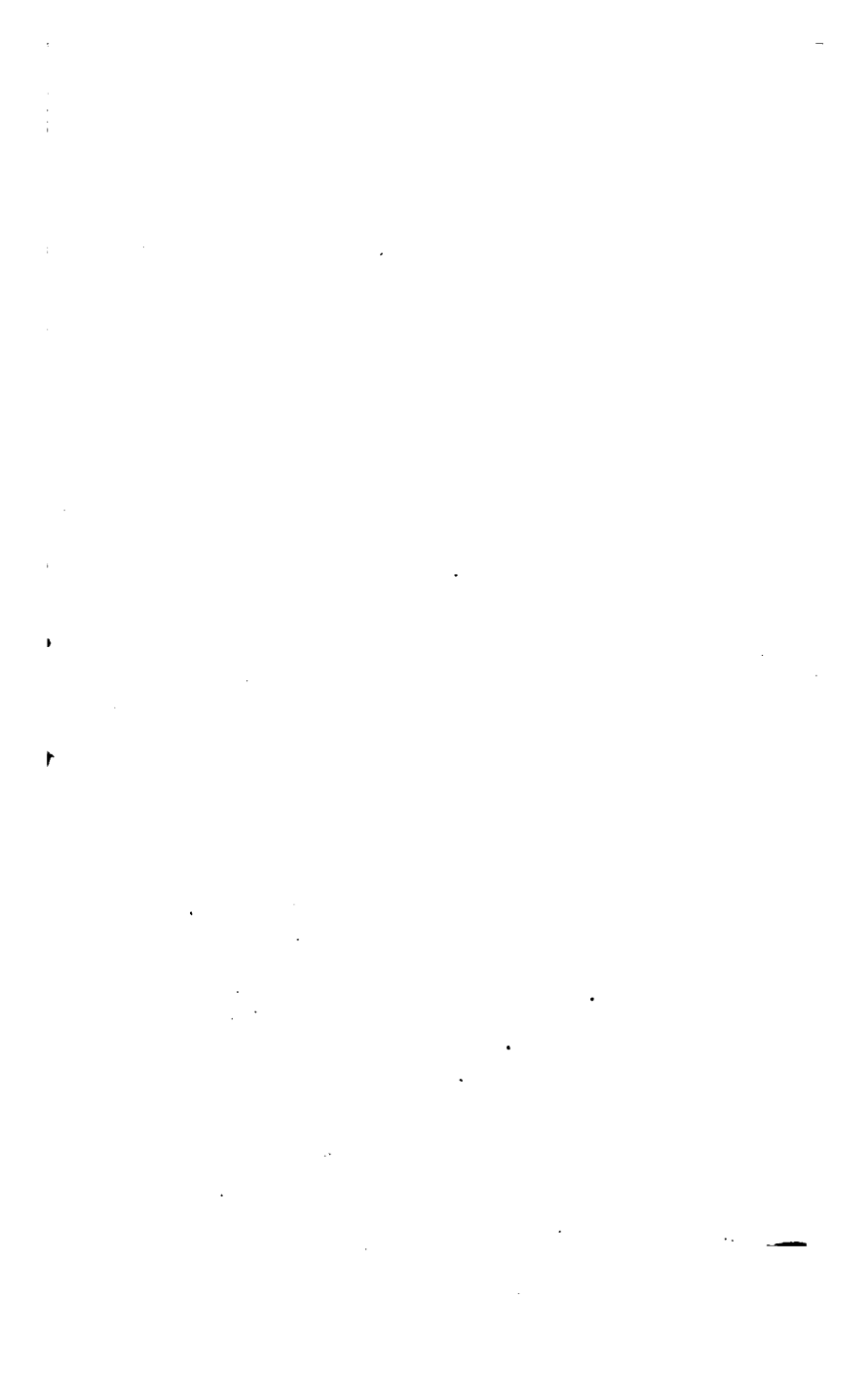
## BRACHIOPODA.

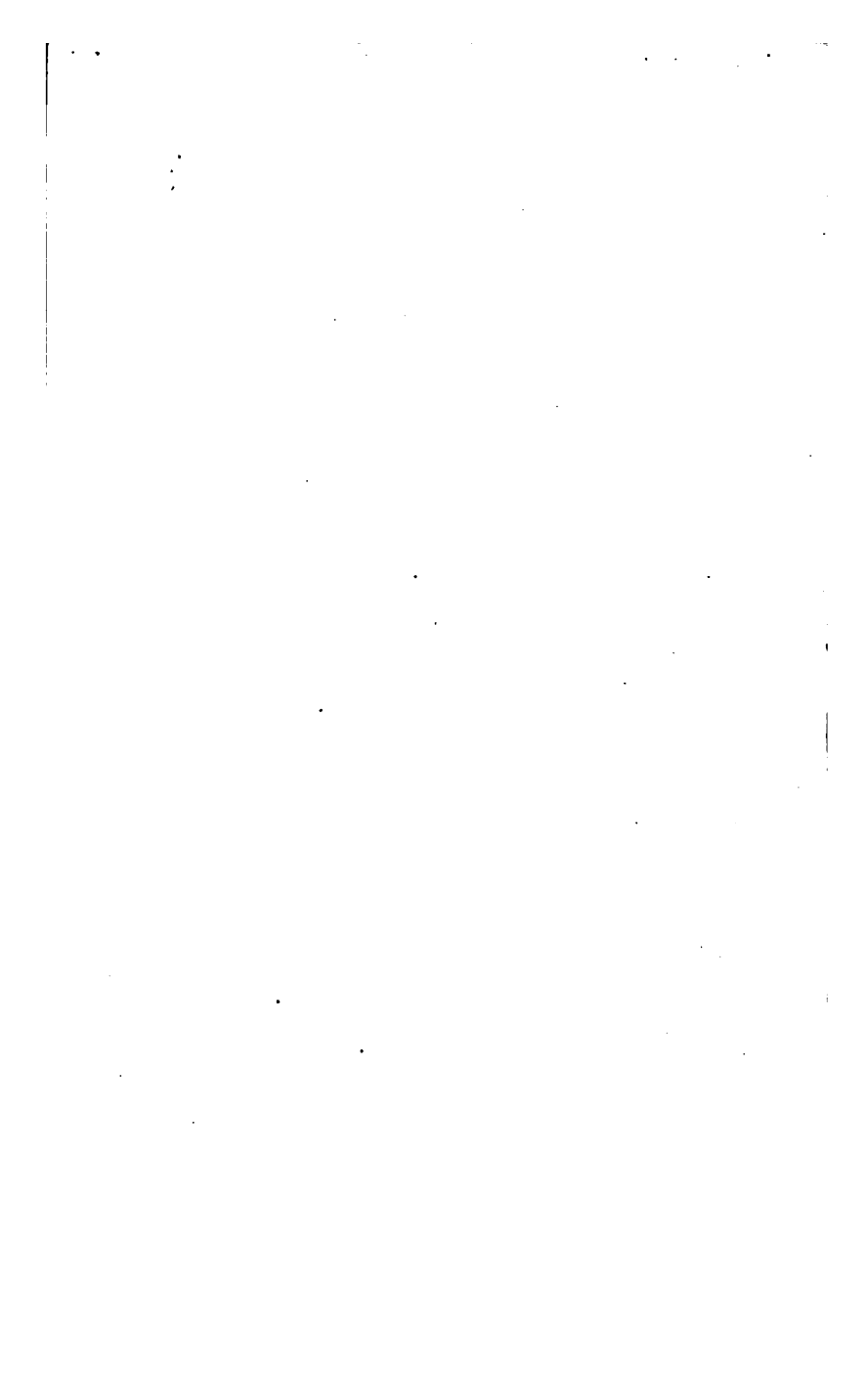
- Rhynchonella Wilsoni*, *Sby.* . . . . W.L. Dudley.  
*Rhynchonella nucula*, *J. Sby.* . . . W.L. Dudley.  
*Rhynchonella Stricklandi*, *J. Sby.* . W.L. Dudley.  
*Rhynchonella borealis*, *Schl.* . . . . W.L. Dudley.  
*Rhynchonella Pomelii*, *Dav.* . . . . W.L. Dudley.  
*Rhynchonella deflexa*, *J. Sby.* . . . W.L. Dudley.  
*Rhynchonella deflexa*, var. *brevi-*  
*rostris*, *J. Sby.* . . . . . W.L. Dudley.  
*Retzia Salteri*, *Dav.* . . . . . W.L. Dudley.  
*Atrypa reticularis*, *L.* . . . . . W.L. Dudley.  
*Atrypa reticularis*, var. *aspera*, *Schl.* . W.L. Dudley.











<i>Atrypa marginalis</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Retzia Lewisii</i> , <i>Dav.</i> .....	W.L. Dudley.
<i>Retzia cuneata</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Retzia Barrandei</i> , <i>Dav.</i> .....	W.L. Dudley.
<i>Athyris tumida</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Rhynchonella didyma</i> , <i>Dalm.</i> ....	W.L. Dudley.
<i>Rhynchonella navicula</i> , <i>J. Sby.</i> ..	L. Sedgeley.
<i>Spirifera plicatella</i> , <i>L.</i> .....	W.L. Wenlock.
<i>Spirifera elevata</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Spirifera interlineata</i> , <i>J. Sby.</i> ....	W.L. Dudley.
<i>Spirifera pisum</i> , <i>J. Sby.</i> .....	W.L. Dudley.
<i>Pentamerus Knightii</i> , <i>Sby.</i> .....	Aym.L. Aymestry.
<i>Pentamerus galeatus</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Pentamerus liratus</i> , <i>J. Sby.</i> .....	May Hill.
<i>Orthis elegantula</i> , <i>Dalm.</i> .....	W.L. Dudley.
<i>Orthis hybrida</i> , <i>J. Sby.</i> .....	W.L. Dudley.
<i>Orthis biloba</i> , <i>L.</i> .....	W.L. Lincoln Hill.
<i>Orthis rustica</i> , <i>J. Sby.</i> .....	W.L. Dudley.
<i>Orthis Bouchardii</i> , <i>Dav.</i> .....	W.L. Dudley.
<i>Strophomena depressa</i> , <i>Dalm.</i> ....	W.L. Dudley.
<i>Strophomena funiculata</i> , <i>M'Coy</i> ..	W.L. Dudley.
<i>Strophomena euglypha</i> , <i>Dalm.</i> ....	W.L. Dudley.
<i>Strophomena compressa</i> , <i>J. Sby.</i> ..	May Hill.
<i>Chonetes lata</i> , <i>Dalm.</i> .....	U.L. Herefordshire.
<i>Discina striata</i> , <i>J. Sby.</i> .....	Aym.L. Herefordshire.
<i>Discina rugata</i> , <i>J. Sby.</i> .....	U.L. Herefordshire.
<i>Lingula Lewisii</i> , <i>J. Sby.</i> .....	Aym.L. Aymestry.
<i>Lingula cornea</i> , <i>J. Sby.</i> .....	U.L. Kendal.
<i>Lingula minima</i> , <i>J. Sby.</i> .....	U.L. Ludlow.
<i>Obolus Davidsoni</i> , <i>Salter</i> .....	W.L. Walsall.

## PTEROPODA.

<i>Theca</i> , sp. ....	L.L. Presteign.
<i>Theca</i> , sp. ....	U.L. Ludlow.

## GASTEROPODA.

<i>Turbo ? corallii</i> , <i>J. Sby.</i> .....	U.L. Herefordshire.
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<i>Turbo carinatus</i> , <i>J. Sby.</i> . . . . .	U.L. Herefordshire.
<i>Euomphalus rugosus</i> , <i>Sby.</i> . . . . .	W.L. Dudley.
<i>Euomphalus funatus</i> , <i>J. Sby.</i> . . . .	W.L. Dudley.
<i>Euomphalus sculptus</i> , <i>J. Sby.</i> . . . .	W.L. Ledbury.
<i>Pleurotomaria</i> , <i>sp.</i> . . . . .	L.L. Mochtre.
<i>Natica</i> ? <i>parva</i> , <i>J. Sby.</i> . . . . .	W.L. Dudley.
<i>Acroculia spirata</i> ( <i>Nerita</i> ), <i>J. Sby.</i>	L.L. Mochtre.
<i>Acroculia Haliotis</i> ( <i>Nerita</i> ), <i>J. Sby.</i>	W.L. Dudley.
<i>Bellerophon dilatatus</i> , <i>J. Sby.</i> . . . .	W.L. Dudley.

## CEPHALOPODA.

<i>Orthoceras articulatum</i> , <i>J. Sby.</i> . .	L.L. Ludlow.
<i>Orthoceras perelegans</i> , <i>Salter</i> . . . .	U.L. Ludlow.
<i>Orthoceras Ibex</i> , <i>J. Sby.</i> . . . . .	U.L. Ludlow.
<i>Orthoceras dimidiatum</i> , <i>J. Sby.</i> . . .	L.L. Mochtre.
<i>Orthoceras annulatum</i> , <i>Sby.</i> . . . .	W.L. Dudley.
<i>Orthoceras bullatum</i> , <i>J. Sby.</i> . . . .	U.L. Ludlow.
<i>Orthoceras imbricatum</i> , <i>Wahl.</i> . . . .	U.L. Ludlow.
<i>Orthoceras angulatum</i> , <i>Wahl.</i> . . . .	L.L. Herefordshire.
<i>Orthoceras Ludense</i> , <i>J. Sby.</i> . . . . .	L.L. Mochtre Hill.
<i>Orthoceras canaliculatum</i> , <i>J. Sby.</i> . .	L.L. View Edge, Salop.
<i>Orthoceras gregarium</i> , <i>J. Sby.</i> . . . .	L.L. Kinsham, Hereford.
<i>Orthoceras Brightii</i> , <i>J. Sby.</i> . . . . .	W.L. Malvern.
<i>Phragmoceras pyriforme</i> , <i>J. Sby.</i> . .	L.L. Leintwardine.

## PISCES ?

<i>Onchus tenuistriatus</i> , <i>Ag.</i> . . . . .	U.L. Whitcliff.
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## B.—LOWER SILURIAN.

("Cambrian," *Sedgwick.*)

Car. Caradoc Sandstone.	L.Fl. Llandeilo Flags.
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## ZOOPHYTA.

<i>Petraia bina</i> , <i>Lonsd.</i> . . . . .	Car. Salop.
<i>Graptolithus convolutus</i> , <i>His.</i> . . . .	Tyrone.





- Graptolithus Sedgwickii*, *Portl.* . . Tyrone.  
*Diplograpsus folium*, *His.* . . . . . Tyrone.

**BRYOZOA ?**

- Oldhamia radiata*, *Forbes.* . . . . . Wicklow.

**ANELLIDA.**

- Tentaculites annulatus*, *Schl.* . . . . Car. Salop.

**CRUSTACEA.**

- Phacops Murchisoni*, *Portl.* . . . . Tyrone.  
*Phacops truncato-caudatus*, *Portl.* Tyrone.  
*Trinucleus concentricus*, *Eaton.* . . . Tyrone.  
*Trinucleus Caractaci*, *Murch.* . . . Tyrone.  
*Trinucleus seticornis*, *His.* . . . . Tyrone.  
*Ampyx rostratus*, *Sars.* . . . . . Tyrone.  
*Asaphus gigas*, *DeKay* . . . . . Tyrone.  
*Encrinurus punctatus*, *Brünn.* . . . Car. Salop.  
*Homalonotus bisulcatus*, *Salter* . . Car. Horderley.  
*Stygina latifrons*, *Portl.* . . . . Tyrone.  
*Remopleurides*, *sp.* . . . . . Tyrone.  
*Ogygia Buchii*, *Alex. Brong.* . . . . L.Fl. Builth.

**CONCHIFERA.**

- Ctenodonta transversa*, *Portl.* . . . Tyrone.  
*Ctenodonta obliqua*, *Portl.* . . . . Tyrone.  
*Ctenodonta dissimilis*, *Portl.* . . . Tyrone.  
*Ctenodonta semitruncata*, *Portl.* . . Tyrone.  
*Nucula? radiata*, *Portl.* . . . . Tyrone.  
*Modiola expansa*, *Portl.* . . . . Tyrone.

**BRACHIOPODA.**

- Pentamerus oblongus*, *J. Sby.* . . . Car. Salop.  
*Pentamerus lens*, *J. Sby.* . . . . Car. Salop.  
*Atrypa orbicularis*, *J. Sby.* . . . . Car. Salop.  
*Atrypa hemisphærica*, *J. Sby.* . . . Car. Salop.  
*Orthis vespertilio*, *J. Sby.* . . . . Car. Salop.

- Strophomena pecten*, *L.*..... Car. Salop.  
*Strophomena tenuistriata*, *J. Sby.*.. Car. Salop.  
*Strophomena complanata*, *J. Sby.*.. Car. Salop.

## GASTEROPODA.

- Trochus* ? *lenticularis*, *J. Sby.*..... Car. Salop.  
*Turbo* ? ..... Tyrone.  
*Raphistoma parva*, *Portl.*..... Tyrone.  
*Murchisonia*, *sp.*..... Car. Salop.  
*Loxonema*, *sp.* ..... Car. Salop.  
*Turritella* ? *cancellata*, *J. Sby.*..... Car. Salop.  
*Ecculiomphalus Bucklandi*, *Portl.*.. Tyrone.  
*Ecculiomphalus lævis*, *J. Sby.*..... Tyrone.  
*Bellerophon bilobatus*, *J. Sby.*..... Car. Salop.

## CEPHALOPODA.

- Lituites cornu-arietis*, *J. Sby.*..... Tyrone.

## ADDITIONS AND CORRECTIONS.

Page 6, line 20, for *Desm.* read *Desor.*

Page 42, add—

- Insect Remains*..... Purbeck L. Swanage.  
*Reptilian Remains* ..... Purbeck L. Swanage.

Page 49, add—

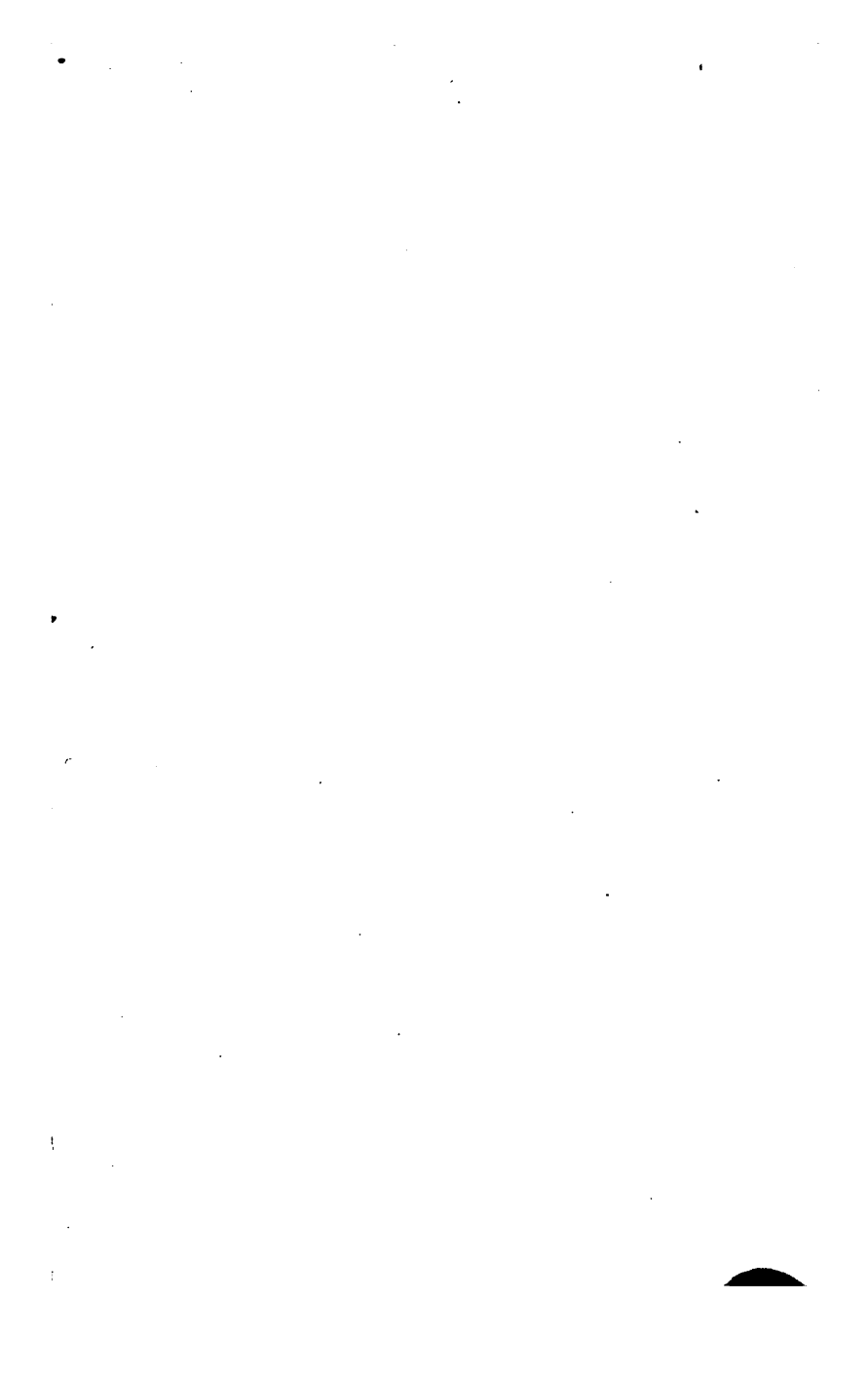
- Pteroceras Bentleyi*, *M. & L.* .... Gt.O. Collyweston.

Page 50, for *Ammonites "quadratus"* read "*cordatus*."

Page 70, add—

- Petraia elongata*, *Phil.*..... U. Sil. May Hill.











SYLLABUS  
OF THE  
LECTURES ON MINERALOGY  
AT KING'S COLLEGE.

*With a view to facilitate the study of Geology and of the application  
of Mineral Substances in the Arts.*

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Hour—Wednesday and Friday, 9 to 10, in Michaelmas Term.

The Course commences with a description of the Physical and Chemical characters of Minerals in general.

**PHYSICAL.**—Crystallization, Cleavage, Fracture, Frangibility, Hardness, Lustre, Colour, Flexibility, Double Refraction, Touch, Taste, Odour, Streak, Powder, Adhesion to the Tongue, Magnetic and Electric Properties, Phosphorescence, Specific Gravity.

**CHEMICAL.**—Use of the Blowpipe, Action of Acids, &c.

The principal simple Minerals are next separately considered, and the readiest mode of distinguishing them described. The following is the order adopted:—

A. *Earthy Minerals.*—Rock Crystal, Amethyst, Cairngorm, Aventurine, Cat's-eye, Opal, Chalcedony, Flint, Onyx, Agate, Carnelian, Heliotrope, Jasper, Hornstone, Chert, Garnets, Idocrase, Axinite, Epidote, Augite, Hornblende, Asbestos, Tremolite, Actinolite, Felspars, Zeolites, Mica, Talc, Chlorite, Calcite, Fluor, Selenium, Barytes, Strontian, Salt, Cryolite.

B. *Combustible Minerals.*—Sulphur, Bitumen, Coal, Jet, Amber, &c.

C. *Minerals used in Jewelry.*—Diamond, coloured varieties of Corundum, Sapphires, Ruby, Topaz—called Oriental stones; Spinel, Turquoise, Topaz, Emerald, Beryl, Hyacinth, Tourmaline, Lapis-lazuli, &c.

D. The *Metalliferous Minerals* will be fully described in the Practical Course during Easter Term.

The Course of Instruction includes a minute description of all the substances entering into the composition of Rocks, and of those minerals which are also used in the Arts; illustrated by an extensive collection of characteristic specimens, and diagrams of the principal crystalline forms, &c.

## GEOLOGY AND MINING.

---

Hour—9 to 10 on Wednesday and Friday.

*Lent Term.*—DESCRIPTIVE GEOLOGY.—Classification of Rocks into Aqueous, Volcanic, Plutonic, and Metamorphic.

*Mineral Composition of Strata.*—Arenaceous, Argillaceous, Calcareous, Chronological Classification of Sedimentary Rocks, with descriptions of the principal fossils belonging to each great deposit.

TERTIARY, OR CAINOZOIC SERIES.—New Pliocene, Older Pliocene, Miocene, Eocene.

SECONDARY, OR MESOZOIC SERIES.—Cretaceous, Wealden, Oolitic (Upper, Middle, and Lower), Triassic Groups.

PRIMARY, OR PALEOZOIC SERIES.—Permian, Carboniferous, Devonian, Silurian, Cambrian Groups.

The mode of collecting, cleaning, and arranging Fossils, Minerals, and Rock-specimens will be described.

*Easter Term.*—PRACTICAL GEOLOGY in its application to MINING, ENGINEERING, ARCHITECTURE, and AGRICULTURE. Hour—Wednesdays and Fridays, 9 to 10 A.M.

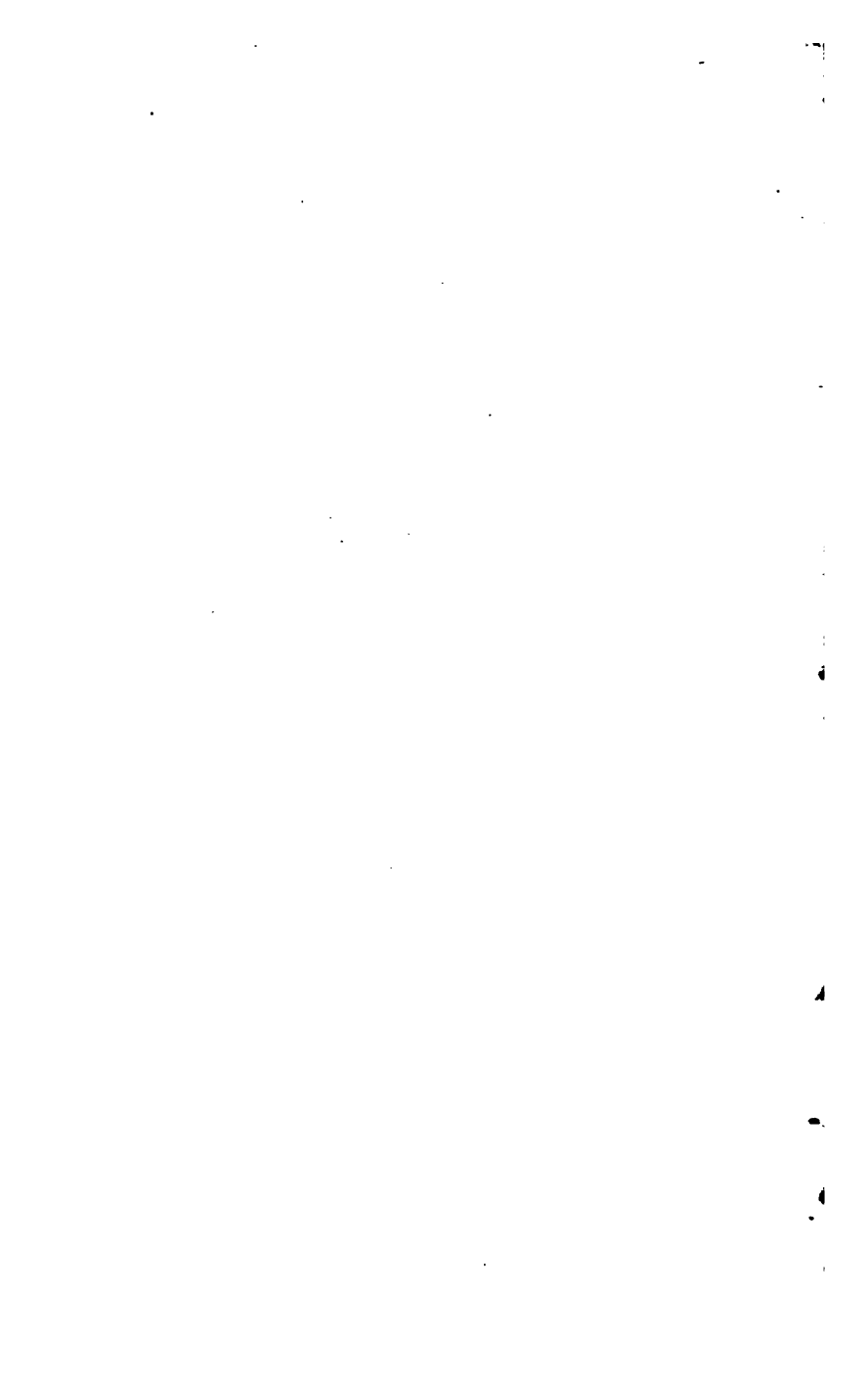
The Lectures delivered on the subject of Geology are intended to have especial reference to the important practical applications of that Science to Engineering, Mining, Architecture, and Agriculture. The Granites, Syenites, Porphyries, Greenstones, Serpentine, Basalts, Lavas, Sandstones, Limestones, Clays, &c., will be described, and the minerals peculiar to each noticed.

The application of Geology to pursuits connected with mining operations,—for Coal, Iron, Copper, Tin, Silver, Gold, Mercury, Antimony, Zinc, Cobalt, &c., will be specially considered. The Student is directed how to proceed in examining a new country; to collect and record his observations, and mark his specimens, in order to render them useful to more experienced geologists at home.

The Museum contains a well-arranged collection of Minerals and Rocks, and specimens of Building-stones.

In order more fully to exemplify the applications of the Science, the Professor accompanies his Class to various Museums in London, including the Museum of Practical Geology and the British Museum; also on excursions into the country, in which the actual field-work of the Geologist is explained and illustrated. There is an Examination at the close of the Course, by which the progress of the students is tested.







**EXAMINATION**  
**IN**  
**MINERALOGY AND GEOLOGY.**

---

1. Give a list of the Physical characters of Minerals, and name the minerals which represent the scale of Hardness.
  2. How can you distinguish Glass, Cairngorm, and Topaz from each other, when polished, without injury to the specimens?
  3. Describe the crystalline form, striæ, fracture, hardness, specific gravity, and chemical composition of Quartz, Topaz, Beryl, and Iron-pyrites.
  4. Give a list of the principal minerals entering into the composition of Crystalline Rocks.
  5. How are the Igneous Rocks distinguished from the Aqueous?
  6. What fossils are peculiar to the Tertiary Series?
  7. Mention some of the more characteristic fossils of the Secondary Rocks.
  8. What are the peculiar fossils found in the Palæozoic Series?
  9. How would you proceed to examine a foreign country; and in what way would you record your observations, and mark your specimens, in order to render them permanently useful to more experienced geologists at home?
  10. Mention some of the most important practical advantages of a knowledge of Mineralogy and Geology.
- 

Name and describe the Minerals, Rocks, and Fossils on the accompanying tray; give the crystalline form of the minerals, and mention the strata to which the fossils belong.

As it is impossible to acquire a practical knowledge of Geology from Books alone, amateurs will be greatly assisted by a Teacher, or by a collection of well-selected specimens. Mr. Tennant has for some years been accustomed to arrange elementary Collections of Minerals, Rocks, and Fossils, varying in price from Two Guineas to One Hundred, to illustrate the works of Buckland, Lyell, Mantell, De la Beche, Ansted, Phillips, Page, and others.

100 Small Specimens, in Cabinet with Three Trays.....	£2 2 0
*200 Specimens, larger, in Cabinet with Five Trays.....	5 5 0
300 Specimens, larger, in Cabinet with Eight Drawers.....	10 10 0
400 Specimens, larger, in Cabinet with Twelve Drawers.....	21 0 0

More extensive Collections, either to illustrate Mineralogy or Geology, at 50 to 100 Guineas each, with every requisite to assist those commencing the study of these interesting branches of Science, a knowledge of which affords so much pleasure to the traveller in all parts of the world.

\* Containing MINERALS which are either the components of Rocks or occasionally imbedded in them:—Quartz, Agate, Chalcedony, Jasper, Garnet, Zeolite, Hornblende, Augite, Asbestos, Felspar, Mica, Talc, Tourmaline, Calcareous Spar, Fluor, Selenite, Baryta, Strontia, Salt, Sulphur, Plumbago, Bitumen, &c.

NATIVE METALS, or METALLIFEROUS MINERALS:—these are found in masses, in beds, or in veins, and occasionally in the beds of rivers. Specimens of the following Metallic Ores are contained in the Cabinet:—Iron, Manganese, Lead, Tin, Zinc, Copper, Antimony, Silver, Gold, Platina, &c.

ROCKS: Granite, Gneiss, Mica-slate, Clay-slate, Porphyry, Serpentine, Sandstones, Limestones, Basalt, Lavas, &c.

PALEOZOIC FOSSILS, from the Llandeilo, Wenlock, Ludlow, Devonian, and Carboniferous Rocks.

SECONDARY FOSSILS, from the Lias, Oolite, Wealden, and Cretaceous Groups.

TERTIARY FOSSILS, from the Woolwich, Barton, and Bracklesham Beds, London Clay, Crag, &c.

In the more expensive Collections some of the specimens are rare, and all more select.

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MR. TENNANT,

MINERALOGIST BY APPOINTMENT TO HER MAJESTY,

149 STRAND, LONDON (W.C.),

*Gives Practical Instruction in Mineralogy and Geology.*

